October 15, 1966

TECHNICAL TRANSLATIONS

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U. S. DEPARTMENT OF COMMERCE / NATIONAL BUREAU OF STANDARDS / INSTITUTE FOR APPLIED TECHNOLOGY

October 15, 1966 Volume 16, Number 7

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

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TECHNICAL TRANSLATIONS

01 AERONAUTICS

A. Aerodynamics

TT-66-60965 Field 1A

Starshinov, A. I.
FORMATION OF THE FLOW UPSTREAM OF A SHOCK WAVE EXPELLED FROM A NOZZLE. Tr. by L. J. Holtschlag. 14 Mar 66, 6p, 4refs. TG-230-T469; AD-630 867.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-630 867

Trans. of Leningrad Univ. Vestnik (USSR) n13, Seriya Matematiki, Mekhaniki i Astronomii n3 p125-7 1965.

TT-66-60966 Field 1A

Deich, M. E.; Lazarev, L. Ya.
STUDY OF THE TRANSITION OF A TURBULENT BOUNDARY LAYER INTO A LAMINAR ONE. Tr. by L. J. Holtschlag. 18 Mar 66, 13p, 10refs. TG-230-T470; AD-630 868.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-630 868

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n4 p18-24 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61581 Field 1A

JOURNAL OF ENGINEERING PHYSICS, VOL. 7, NO. 10 (SELECTED ARTICLES). 12 Jan 66, 25p, 5refs. FTD-MT-65-185; AD-634 807.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 807

Edited machine trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n10 p14-20, 28-36 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61693 Field 1A

Romishevskii, E. A.
ON THE EFFECT OF THE RADIATION ENTROPY LAYER. 1966, 3p, 5refs.
Order from CFSTI , SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61693

Trans. of Akademiya Nauk SSSR, Izvestiya. Mekhanika Zhidkosti i Gaza (USSR) n2 p182-4 1966.

TT-66-61730 Field 1A

Simuni, L. M.; Terentev, N. M.
NUMERICAL SOLUTION OF THE EQUATIONS OF 'ONE PARAMETER' BOUNDARY LAYER THEORY. 1966, 3p, 4refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61730

Trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) n248 p56-8 1965.

B. Aeronautics

TT-64-41379 Field 1B

PANAMANIAN NATIONAL AVIATION REGULATIONS. 25 Aug 64, 61p. JPRS-26119.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-64-41379

Trans. of Gaceta Oficial (Panama) v60 n14987 p1-28 1963.

TT-66-61470 Field 1B

Porch, H. E.
CIVIL AVIATION IN COMMUNIST CHINA SINCE 1949. Jun 66, 82p. RM-4666-PR; AD-634 191.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-634 191

C. Aircraft

TT-66-60964 Field 1C

Kuchinskii, A. F.
CALCULATION OF THIN-WALLED AIRCRAFT FUSELAGE-TYPE SECTIONS WITH OPENINGS. Mar 66, 20p, 7refs. FSTC-HT-23-66-66; AD-630 860.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-630 860

Trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) v77 p35-48 1963.

TT-66-61765 Field 1C

Pipko, A.
WINGED GIANT. Jun 66, 13p. FSTC-HT-23-104-66; AD-635 568.
Order from CFSTI or ETC: HC $6.00 MF$0.50 as AD-635 568

Trans. of Nauk i Zhizn (USSR) n10 p42-5 1965.

02 AGRICULTURE

TT-66-32781 Field 2-

USSR AGRICULTURE: TRANSLATIONS NO. 134. 7 Jul 66, 19p. JPRS-36349.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32781

TT-66-32812 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 16A. 8 Jul 66, 29p. JPRS-36380.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32812

TT-66-32832 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 17. 11 Jul 66, 22p. JPRS-36400.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32832

TT-66-32871 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 18. 12 Jul 66, 13p. JPRS
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32871

TT-66-32901 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 19. 13 Jul 66, 13p. JPRS-36469.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32901

TT-66-33089 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 20. 25 Jul 66, 15p. JPRS-36658.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33089

TT-66-33141 Field 2-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 21. 27 Jul 66, 42p. JPRS-36710.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33141

A. Agricultural chemistry

TT-66-60959 Field 2A

Kozin, N. I.; Snegireva, I. A.
EMULSIFYING PROPERTIES OF BLOOD ALBUMIN AND ITS APPLICATION IN FOOD EMULSION PRODUCTION. Mar 66, 9p, 2refs. FSTC-23-43-66; AD-630 854.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-630 854

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR) n4(47) p76-8 1965.

B. Agricultural economics

TT-65-32303 Field 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 385. 1 Sep 65, 25p. JPRS-31808.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32303

TT-66-32565 Field 2B, 2F, 2E, 5C

EAST EUROPEAN AGRICULTURE, FORESTRY AND FOOD INDUSTRIES: TRANSLATIONS NO. 446. 23 Jun 66, 81p. JPRS-36131.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32565

TT-66-32854 Field 2B, 5I, 2D

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 453. 12 Jul 66, 25p. JPRS-36422.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32854

TT-66-32961 Field 2B, 2C, 2E

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES NO. 455. 18 Jul 66, 60p. JPRS-36529.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32961

TT-66-32986 Field 2B, 2C

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 456. 19 Jul 66, 56p. JPRS-36555.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32986

TT-66-33225 Field 2B, 6H, 5D

PRAVDA EDITORIALS (28-30 JUL 66): TRANSLATIONS NO. 657. 2 Aug 66, 9p. JPRS-36795.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33225

D. Agronomy and horticulture

TT-65-34010 Field 2D, 13F, 8G, 2B, 8B

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY NO. 267. 21 Dec 65, 108p, 34refs. JPRS-33436.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-65-34010

Trans. of Ti Li Hsueh Pao (Chinese People's Republic) v30 n4 p273-85, 301-18, 320-9, 331-42, 344-57 1964.

TT-65-50404/3 Field 2D, 2E, 6C

JOURNAL FOR SCIENTIFIC AGRICULTURAL RESEARCH, VOL. 18, NO. 61 1965. 1966, 114p, refs.
SFCSI-Agr(TT-65-50404/3).
Order from CFSTI: $4.00 as TT-65-50404/3

Trans. of Arhiv za Poljoprivredne Nauke i Tehniku (Yugoslavia) v18 n61 p3-158 1965.

TT-66-32779 Field 2D, 5A

SOUTH AND EAST ASIA: TRANSLATIONS NO. 118. 7 Jul 66, 19p. JPRS-36347.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32779

TT-66-33295 Field 2D, 5I

PRAVDA EDITORIALS (31 JUL-1 AUG 1966): TRANSLATIONS NO. 658. 4 Aug 66, 9p. JPRS-36865.

Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33295

E. Animal husbandry

TT-66-30196 Field 2E, 13J

CUBA: TRNSLATIONS NO. 353. 14 Jan 66, 17p. JPRS-33752.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-30196

TT-66-32387 Field 2E, 2A, 6C, 6O

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 12. Collected Papers of Third All-China Symposium on Antibiotics, Vol. 4, Application of Antibiotics in Agriculture and Animal Husbandry. 13 Jun 66, 24p. JPRS-35953.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32387

TT-66-32626 Field 2E, 6C

Horvath, Z.
DEVELOPMENT OF VETERINARY INTERNAL MEDICINE OVER THE PAST 20 YEARS IN HUNGARY. 27 Jun 66, 12p. JPRS-36193.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32626

Trans. of Magyar Allatorvosok Lapja (Hungary) n3 p97-100 1966.

TT-66-32736 Field 2E, 2B, 2A, 5C

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 451. 1 Jul 66, 34p. JPRS-36304.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32736

TT-66-33170 Field 2E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 120. Chinese Veterinary Journal. 29 Jul 66, 24p. JPRS-36739.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33170

F. Forestry

TT-65-50041 Field 2F, 6C

Ovsyankin, V. N.; Savich, Yu. N.
DENSITY OF PINE PLANTATIONS AND ITS BIOLOGICAL AND SILVICULTURAL SIGNIFICANCE (Gustota Kultur Sosny i ee Biologo-Lesovodstvennoe Znachenie). 1965, 42p. 23refs. SFCSI-Agr(TT-65-50041).
Order from CFSTI: $2.00 as TT-65-50041

Trans. of Akademiya Nauk SSSR. Institut Lesokhozyaistvennykh Problemy, Riga. Trudy, n11 p121-62 1956.

TT-66-51086 Field 2F, 6C

Romanov, A. A.
INTERRELATIONSHIPS OF TREE AND SHRUB SPECIES IN FIELD-PROTECTIVE FOREST PLANTATIONS (O Vzaimootnosheniyakh Drevesnykh i Kustarnikovykh Porod v Zashchitnykh Lesonasazhdeniyakh). 1966, 7p. SFCSI-Agr(TT-66-51086).
Order from CFSTI: HC$1.00, as TT-66-51086

Trans. of Agrobiologiya (USSR) n2 p252-7 1959.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

TT-66-61650 Field 3A, 3C

Sorokin, N. A.
RELATIVE ORIENTATION OF THE EARTH'S EQUATOR AND THE LUNAR ORBIT IN THE DISTANT PAST. 5 May 66, 13p, 6refs. RSIC-546; AD-634 941.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 941

Trans. of Astronomicheskii Zhurnal (USSR) v42 p1070-4 1965.

B. Astrophysics

TT-66-32825 Field 3B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 51. 11 Jul 66, 18p. JPRS-36393.
Order from CFSTI or EGC: HC$1.00, MF$0.50 as TT-66-32825

TT-66-61115 Field 3B

Katterfeld, G. N.
THE QUESTION OF THE TECTONIC ORIGIN OF LINEAR FORMATIONS ON MARS. Tr. by E. R. Hope. Apr 66, 27p, 30refs. DSIS-T-445-R; AD-631 658.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-631 658

Trans. of Vsesoyuznoe Geograficheskoe Obshchestvo. Izvestiya (USSR) v91 n3 p172-83 1959.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-65-64726 Field 4A, 20N

Michaels, D. W.
THE LOWEST ELECTRON DENSITY NECESSARY FOR WAVE REFLECTION FROM THE IONOSPHERIC D-LAYER. 1 Dec 65, 7p, 4refs. ATD-65-108; AD-624 462.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-624 462

Trans. of Bulgarska Akademiya na Naukite. Doklady, v18 n7 p631-4 1965.
Rept. on Surveys of Soviet Scientific and Technical Literature.

TT-66-60506 Field 4A

Lobodin, T. V.
INTENSITY CONNECTION OF THE ELECTRIC FIELD OF THE ATMOSPHERE WITH AURORA POLARIS. 21 Oct 65, 10p, 10refs. FTD-TT-65-855; AD-628 037.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-628 037

Unedited rough draft trans. of Geofizicheskii Byulleten (USSR) n13 p38-40 1963.

TT-66-61005 Field 4A, 18C, 20I

Galperin, Yu. I.
PHYSICAL PICTURE OF THE FORMATION OF AN ARTIFICIAL RADIATION BELT BY THE AMERICAN HIGH-ALTITUDE THERMONUCLEAR BURST OF 9 JULY 1962. Tr. by C. R. Haave. 11 Mar 66, 12p, 12refs. TG-230-T466; AD-631 025.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-631 025

Trans. of mono. Issledovaniya Kosmicheskogo Prostranstva, Special Issue, n.p., 1965 p388-93.

TT-66-61010 Field 4A, 20N, 22B

Chou Wei.
DIRECT SOUNDING STUDIES OF THE IONOSPHERE. Sep 65, 46p, 42refs. Emm-65-28; AD-631 061.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-631 061

Trans. of Ti Ch'iu Wu Li Hsueh Pao (Chinese People's Republic) v12 n1 p100-17 1963.
Contract AF 19(628)-5073.

TT-66-61049 Field 4A, 9F, 22B

TRANSMITTING SATELLITE PROPAGATION STUDIES: COMPILATION OF ABSTRACTS. 15 Mar 66, 34p, 23refs. ATD-66-24; AD-631 273.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-631 273

Rept. on Surveys of Soviet Scientific and Technical literature.

TT-66-61102 Field 4A

Shcheglov, P. V.
OBSERVATION OF CREPUSCULAR PEAK OF EMISSION OF HELIUM WAVELENGTH 10,830 A WITH THE AID OF THE FABRY-PEROT STANDARD. 23 Mar 66, 7p, 3refs. FTD-TT-65-1635; AD-631 580.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 580

Unedited rough draft trans. Polyarnye Siyaniya i Svechenie Nochnogo Neba: Sbornikstatei (USSR) n9 p59-60 1963.

TT-66-61208 Field 4A, 14B

Perov, S. P.; Chizhov, A. F.
ON THE POSSIBILITY OF MEASURING ATOMIC OXYGEN AT THE HEIGHT OF 100 - 150 KM BY THE HEAT TRADUCER METHOD. 30 Mar 66, 17p, 18refs. FTD-TT-65-1416; AD-632 315.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 315

Unedited rough draft trans. of Tsentralnaya Aerologicheskaya Observatoriya. Trudy (USSR) n56 p121-7 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

B. Meteorology

TT-65-30777 Field 4B

OBJECTIVE ANALYSIS IN METEOROLOGICAL STUDIES. 20 Apr 65, 45p, 16refs. JPRS-29671; N65-21805.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30777

Trans. of Mirovoi Meteorologicheskii Tsentr, Leningrad. Trudy, n4 p3-26, 44-9 1964.

TT-65-34021 Field 4B, 8H

SOVIET STUDIES IN METEROLOGY AND HYDROLOGY NO. 11, 1965. 21 Dec 65, 85p, 43refs. JPRS-33447.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-34021

Trans. of Meteorologiya i Gidrologiya (USSR) n11 p3-13, 33-54, 57-61, 63-70 1965.18

TT-66-32908 Field 4B, 14B, 5A

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY TRANSLATIONS NO. 328. 13 Jul 66, 12p. JPRS-36476.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32908

TT-66-32911 Field 4B

CURRENT DEVELOPMENTS IN METEROLOGY IN EASTERN EUROPE. 14 Jul 66, 19p. JPRS-36479.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32911

Trans. of Idojaras (Hungary) v70 n2 p65-8 1966.

TT-66-60578 Field 4B, 4A

TRANSACTIONS OF THE ALL-UNION SCIENTIFIC METEOROLOGICAL CONFERENCE (SELECTED ARTICLES). 12 Jan 66, 151p, 106refs. FTD-MT-64-296; AD-628 302.
Order from CFSTI or ETC: HC$14.70, MF$1.00 as AD-628 302

Edited machine trans. of Vsesoyuznoe Nauchnoe Meteorologicheskoe Soveshchanie. Trudy (USSR) v7 p3-72, 154-60, 205-15 1963.

TT-66-60901 Field 4B

Gurvich, A. S.
THE PULSATION SPECTRA OF THE VERTICAL COMPONENT OF WIND VELOCITY AND THEIR RELATIONS OF THE MICROMETEOROLOGICAL CONDITIONS (Spektry Pulsatsii Vertikalnoi Komponenty Skorosti Vetra i Ikh Svyazi s Mikrometeorologicheskimi Usloviyami). Tr. by Stuart W. Kellogg. Jan 66, 60p, 40refs. AmMetSoc-T-R-509; AD-630 667.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-630 667

Trans. of Akademiya Nauk SSSR, Institut Fiziki Atmosfery. Trudy, n4 p101-36 1962.

TT-66-60902 Field 4B, 14B

Ledokhovich, A. A.
BALLOON-BORNE ELECTRIC METEOROGRAPH (Aerostatnyi Elektricheskii Meteorograf). Tr. by Stuart Kellogg. Feb 66, 9p, 3refs. AmMetSoc-T-R-586; AD-630 668.
Order from CFSTI or ETC: HC$1.00, MF$0.50

as AD-630 668

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n154 p105-8 1964.
Contract AF 19(628)-3880.

TT-66-60904 Field 4B, 17I

Melnichuk, Iu. V.
SOME PROBLEMS OF RADAR MEASUREMENT OF WIND VARIATIONS IN THE TROPOSPHERE (Nekotore Voprosy Izmereniya Pulsatsii Vetra v Troposfere Radiolokatsionnym Metodom). Tr. by William J. Grimes. Jan 66, 14p, 5refs. AmMetSoc-T-R-513; AD-630 670.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-630 670

Trans. of Tsentralnaya Aerologicheskaya Observatoriya. Trudy (USSR) n57 p41-8 1964.
Contract AF 19(628)-3880.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-60905 Field 4B

Berlyand, M. E.; Gracheva, V. P.; Fateeva, G. A.
LOCAL FORECASTING OF FOG FORMATION (Lokalnyi Prognoz Obrazovaniya Tumanov).
Tr. by Stuart W. Kellogg. Jan 66, 22p, 9refs.
AmMetSoc-T-R-490; AD-630 671.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-630 671

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n127 p57-68 1962.

TT-66-60907 Field 4B, 17I

Volynets, L. M.; Markovich, M. L.; Muchnik, V. M.
SOME RESULTS OF RADAR MEASUREMENT OF PRECIPITATION PER UNIT AREA (Nekotore Rezultaty Izmerenii Kolichestva Osadkov po Ploshchadi Radiolokatsionnym Metodom). Tr. by William J. Grimes. Feb 66, 16p, 6refs. AmMetSoc-T-R-524; AD-630 673.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-630 673

Trans. of Ukrainskii Nauchno-Issledovatelskii Gidro-Meteorologicheskii Institut. Trudy (USSR) n47 p51-8 1965.
Contract AF 19(628)-3880.

TT-66-60908 Field 4B

Zhupakin, K. S.
THE USE OF AN INTEGRATOR TO INCREASE THE METEOROLOGICAL EFFICIENCY OF A RADAR (Primenenie Nakopitelia diya Uvelicheniya Meteorologicheskoi Effektinosti Radiolokatsionnoi Apparatury). Tr. by Stuart W. Kellogg. Jan 66, 16p, 4refs.
AmMetSoc-T-R-529; AD-630 674.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-630 674

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) n173 p63-70 1965.
Contract AF 19(628)-3880.

TT-66-60909 Field 4B, 17I

Ignatova, R. V.; Petrushevskii, V. A.; Salman, E. M.
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Efimov, E. S.; Ivanova, I. P.; Smarigo, L. I.; Vavilov, V. V.; Lifanov, N. V.
PROBLEMS OF THE ECONOMY AND HISTORY OF THE COUNTRIES OF THE NEAR AND MIDDLE EAST. 3 Aug 66, 242p, refs. JPRS-36826.
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TT-66-32922 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 859. 14 Jul 66, 83p. JPRS-36490.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32922

TT-66-32926 Field 5D, 5C

STAMPA AND LA STAMPA SERA (26 JUN 66): INDEX NO. 321. 14 Jul 66, 5p. JPRS-36494.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32926

TT-66-32931 Field 5D

PRAVDA EDITORIAL (10 - 11 Jul 66): TRANSLATIONS NO. 645. 14 Jul 66, 11p. JPRS-36499.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32931

TT-66-32940 Field 5D, 5F, 5I

PRESS INFORMATION REPORT ON IRAN NO. 4: (SELECTED ARTICLES). 15 Jul 66, 44p. JPRS-36508.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32940

TT-66-32943 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 860. 15 Jul 66, 89p. JPRS-36511.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32943

TT-66-32946 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 861. 15 Jul 66, 33p. JPRS-36514.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32946

TT-66-32948 Field 5D, 5C

CZECHOSLOVAKIA PROVINCIAL PRESS (10-15 MAY 66): SUMMARY NO. 361. 15 Jul 66, 20p. JPRS-36516.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32948

TT-66-32955 Field 5D

AFRICA: TRANSLATIONS NO. 401. 15 Jul 66, 27p. JPRS-36523.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32955

TT-66-32956 Field 5D, 5C, 5I

CUBA: TRANSLATIONS NO. 449. 15 Jul 66, 43p. JPRS-36524.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32956

TT-66-32963 Field 5D

MONGOLIA: TRANSLATIONS NO. 111. 18 Jul 66, 87p. JPRS-36531.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32963

TT-66-32964 Field 5D, 5I

NEAR EAST: TRANSLATIONS NO. 5. 18 Jul 66, 39p. JPRS-36532.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32964

TT-66-32973 Field 5D, 5C, 5K

LE MONDE (1-30 JUN 66): INDEX NO. 74. 18 Jul 66, 45p. JPRS-36541.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32973

TT-66-32974 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (27 JUNE - 3 JULY 1966): INDEX NO. 322. 18 Jul 66, 9p. JPRS-36542.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32974

TT-66-32979 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 862. 18 Jul 66, 53p. JPRS-36547.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-32979

TT-66-32983 Field 5D

THE NEAR EAST: TRANSLATIONS NO. 6. 18 Jul 66, 39p. JPRS-36551.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32983

TT-66-32992 Field 5D, 2B, 5C

PRESS INFORMATION REPORT ON ALBANIA NO. 173. 19 Jul 66, 53p. JPRS-36561.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32992

TT-66-32998 Field 5D, 5C

CZECHOSLOVAK PROVINCIAL PRESS (17-22 MAY 66): SUMMARY NO. 362. 19 Jul 66, 19p. JPRS-36567.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32998

TT-66-33004 Field 5D

PROBLEMS OF THE ITALIAN LEFT AND UNIFICATION. 19 Jul 66, 28p. JPRS-36573.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33004

TT-66-33018 Field 5D, 5I

RED FLAG, NO. 7, 1966: TRANSLATIONS NO. 31. 20 Jul 66, 28p. JPRS-36587.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33018

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TT-66-33027 Field 5D

POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 218. 20 Jul 66, 94p. JPRS-36596.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33027

TT-66-33032 Field 5D, 5C

NORTH VIETNAM: TRANSLATIONS NO. 8. 21 Jul 66, 36p. JPRS-36601.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33032

TT-66-33042 Field 5D

THE NEAR EAST: TRANSLATIONS NO. 7. 21 Jul 66, 48p. JPRS-36611.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33042

TT-66-33063 Field 5D, 5C

STAMPA AND LA STAMPA SERA (4 - 10 JUL 66): INDEX NO. 323. 22 Jul 66, 9p. JPRS-36632.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33063

TT-66-33064 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 863. 22 Jul 66, 23p. JPRS-36633.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33064

TT-66-33067 Field 5D, 5I

RED FLAG: TRANSLATIONS NO. 8, 1966. Communist China No. 32. 22 Jul 66, 48p. JPRS-36636.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33067

TT-66-33093 Field 5D, 5C, 5I

NEAR EAST: TRANSLATIONS NO. 9. 25 Jul 66, 124p. JPRS-36662.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-33093

TT-66-33114 Field 5D, 5C, 5I

NEAR EAST TRANSLATIONS NO. 10. 26 Jul 66, 63p. JPRS-36683.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33114

TT-66-33126 Field 5D, 5C, 5I

NORTH VIETNAM: TRANSLATIONS NO. 11. 26 Jul 66, 15p. JPRS-36695.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33126

TT-66-33147 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 865. 28 Jul 66, 173p. JPRS-36716.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-33147

TT-66-33215 Field 5D, 5I, 5K

AFRICA: TRANSLATIONS NO. 410. 2 Aug 66, 106p. JPRS-36784.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-33215

TT-66-61105 Field 5D

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-631 584

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TT-66-61956 Field 5D, 5J

Sakharov, A. B.
HOW TO ELIMINATE THE SURVIVALS OF THE PAST AND TO BUILD A NEW TYPE OF MAN. 17 Feb 66, 58p, 14refs. FTD-TT-65-421; AD-636 671.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as AD-636 671

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F. Humanities

TT-66-32971 Field 5F

Vagabov, M. V.
THE CARRY-OVER OF ISLAM IN THE ATTITUDE TOWARDS WOMEN AND THE WAYS OF OVERCOMING THEM. 18 Jul 66, 17p. JPRS-36539.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32971
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G. Linguistics

TT-65-32453 Field 5G, 5B, 9B, 12B

Borshchev, V. B.; Vleduts, G. E.; Seifer, A. L.; Mishenko, G. L.; Stokolova, N. A.
FOREIGN DEVELOPMENTS IN MACHINE TRANSLATION

AND INFORMATION PROCESSING NO. 177. 13 Sep 65, 84p, 20refs. JPRS-31959.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-65-32453

Trans. of mono. Informationnie Sistemi, Moscow, 1964 p55-64, 82-116.

TT-66-32267 Field 5G, 5I, 5J

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THE FORM OF PRESENTATION OF SUBJECT MATTER IN TEACHING FOREIGN SPEECH. 3 Jun 66, 13p, 10refs. JPRS-35833.
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TT-66-61410 Field 5G

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CERTAIN PROBLEMS OF TRANSLATION FROM INFORMATION-LOGICAL LANGUAGE INTO RUSSIAN AND DEVICE FOR THE SELECTION OF INFORMATION BY THE GIVEN WORD. 17 Mar 66, 47p, 18refs. FTD-TT-65-1304; AD-633 683.
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I. Personnel selection, training and evaluation

TT-66-30069 Field 5I, 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 328. 6 Jan 66, 13p. JPRS-33625.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-30069

TT-66-30923 Field 5I, 9B

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-30923

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TT-66-32629 Field 5I, 6-

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Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-32744

TT-66-32912 Field 5I, 5A

Cantacuzene, J.
FRENCH DIPLOMAT REPORTS ON VISIT TO NOVOSIBIRSK, USSR. 14 Jul 66, 12p. JPRS-36480.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32912

Trans. from le Monde (France) 8/9 May p1, 18; 10 May p7 1966.

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USE OF TEACHING MACHINES IN HIGHER SCHOOLS. 14 Jul 66, 6p. JPRS-36481.
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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32930

TT-66-32950 Field 5I

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order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32950

TT-66-32968 Field 5I, 14B

Ogryzkov, V. M.
THE TRAINING OF SCIENTIFIC AND TECHNICAL ENGINEERING CADRES IN THE SYSTEM OF THE COMMITTEE OF STANDARDS. 18 Jul 66, 10p. JPRS-36536.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32968

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TT-66-32976 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 24. 18 Jul 66, 51p. JPRS-36544
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32976

TT-66-32997 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 25. 19 Jul 66, 8p. JPRS-36566.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32997

TT-66-33016 Field 5I, 2E, 5D, 5C

PRESS INFORMATION REPORT ON ALBANIA NO. 174. 20 Jul 66, 39p. JPRS-36585.

Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33016

TT-66-33040 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 26. 21 Jul 66, 43p. JPRS-36609.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33040

TT-66-33043 Field 5I, 5D, 5C

CUBA: TRANSLATIONS NO. 453. 21 Jul 66, 43p. JPRS-36612.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33043

TT-66-33157 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 29. 29 Jul 66, 35p. JPRS-36726.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33157

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SOVIET EDUCATION: TRANSLATIONS NO. 32. 4 Aug 66, 11p. JPRS-36848.
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J. Psychology (Individual and group behavior)

TT-66-61322 Field 5J, 6E

Bulygin, I. A.; Basthurin, K. A.; Zaporozhets, A. A.
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TT-66-61957 Field 5J

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K. Sociology

TT-65-32572 Field 5K

AFRICA: TRANSLATIONS NO. 258. 21 Sep 65, 39p. JPRS-32079.
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TT-66-32037 Field 5K

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06 BIOLOGICAL AND MEDICAL SCIENCES

A. Biochemistry

TT-66-57010/1 Field 6A

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Order from CFSTI: $4.00 as TT-66-57010/1

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TT-66-61312 Field 6A

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Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61312

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61313 Field 6A

Ulasevich, I. I.
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TT-66-61326 Field 6A, 6E

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TT-66-61344 Field 6A, 6C

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TT-66-61349 Field 6A, 6C, 6P

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HISTOCHEMICAL AND ELECTRON MICROSCOPIC STUDY OF THE DEVELOPMENT OF THE RECEPTOR STRUCTURES OF THE MEMBRANOUS LABYRINTH IN VERTEBRATES. May 66, 24p, 26refs. FASEB-S-477-5.
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THE AMYLOLYTIC ACTIVITY OF THE PANCREAS, LIVER AND INTESTINE DURING HYPERTHERMIA AND SOLAR IRRADIATION. Mar 66, 8p, 11refs. FASEB-S-469-5.
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B. Bioengineering

TT-66-32287 Field 6B, 6E, 6P

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ELECTRIC IMPULSES REVITALIZE MUSCLES. 6 Jun 66, 4p. JPRS-35853.
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C. Biology

TT-64-11413/4 Field 6C

FOLIA MORPHOLOGICA, VOL. (15)23, NO. 4, 1964. 1965, 136p, 196refs. SFCSI-HEW-NLM(TT-64-11413/4).
Order from CFSTI: $4.00 as TT-64-11413/4

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TT-66-32547 Field 6C

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JPRS-36113.
Order from CFSTI or ETC: HC$6.00, MF$1.25
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TT-66-32860 Field 6C, 6E, 2E

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EXPERIMENTAL INFECTION OF GAMASID TICKS WITH CAUSATIVE AGENT OF ANTHRAX. 12 Jul 66, 8p, 1ref.
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TT-66-61172 Field 6C

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Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as
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TT-66-61174 Field 6C

Balashov, Yu. S.
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TT-66-61228 Field 6C

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NASA-TT-F-9863; N66-18448.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as N66-18448

Trans. of abstracts of Conf. on Elementary Biol. Systems and on Biogenesis, Paris, 23-25 Nov 1965. Papers, n.p., n.d.

TT-66-61319 Field 6C, 6A

Ryzhkov, V. L.
BIOLOGICAL MEMORY AND NUCLEIC ACIDS. May 66, 20p, 22refs. FASEB-S-427-5.
Order from CFSTI, SLA or ETC: HC$1.60, MF$0.50
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TT-66-61350 Field 6C

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Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50
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D. Bionics

TT-65-30878 Field 6D, 6A, 6C, 6P

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JPRS-29864; N65-23144.
Order from CFSTI or ETC: HC$7.00, MF$1.75
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TT-65-31737 Field 6D, 9B, 12B

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Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-65-31737

Trans. of mono. Elementy Kiberneticheskikh Sistem, Tbilisi, 1964 173p.

TT-65-32508 Field 6D

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32508

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Available copy will not permit fully legible reproduction.

TT-66-30434 Field 6D, 9B, 12B, 13H

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PROBLEMS IN THEORETICAL CYBERNETICS. 3 Feb 66, 204p, 57refs. JPRS-33991.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-30434

Trans. of mono. Voprosy Teoreticheskoi Kibernetiki, Moscow, 1965 211p

TT-66-32697 Field 6D

ABSTRACTS JOURNAL: CYBERNETICS, NO. 2, 1966. 30 Jun 66, 46p. JPRS-36264.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32697

Trans. of Referativnyi Zhurnal. Kibernetika (USSR) n2 1966.

E. Clinical medicine

TT-65-30226 Field 6E, 6A, 6O

STUDIES IN THE BIOCHEMISTRY AND CHEMOTHERAPY OF NERVOUS AND PSYCHIC DISEASES. 28 Jan 65, 205p, 632refs. JPRS-28527.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-65-30226

Trans. of Vsesoyuznoe Khimicheskoe Obshchestvo. Zhurnal (USSR) v9 n4 p374-80, 395-432 1964.

TT-65-33852 Field 6E

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-33852

Consists of abstracts from Chung Hua Yen K'o Tsa Chih (Chinese People's Republic) v12 n4 1965.

TT-66-12620 Field 6E

Zamorani, G.
A RARE ASSOCIATION OF COATS RETINITIS AND RETINITIS PIGMENTOSA. Tr. by H. M. Warfield. 3 May 66, 16p, 39refs. NIH-5-2-66.
Order from SLA: $1.60 as TT-66-12620

Trans. of Giornale Italiano di Oftalmologia, v9 p429-43 1956.

TT-66-12643 Field 6E

Willebrand, E. A.; Juergens, R.
ABOUT A NEW INHERITED BLOOD DISEASE: THE CONSTITUTIONAL THROMBOPATHY (Ueber ein Vererbbares Blutungsuebel: Die Konstitutonelle Thrombopathie). 23p, 34refs.
Order from SLA: $2.60 as TT-66-12643

Trans. of Deutsches Archiv fuer Klinische Medizin (Germany) v175 p453-83 1933.

TT-66-12712 Field 6E

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Order from SLA: $1.60 as TT-66-12712

Trans. of der Hautarzt (West Germany) v9 n1 p9-15 1958.

TT-66-12749 Field 6E

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Order from SLA: $1.60 as TT-66-12749

Trans. of Deutsche Medizinische Wochenschrift (West Germany) v87 n47 p2408-19 1962.

TT-66-12758 Field 6E

Walker, H.
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Order from SLA: $1.60 as TT-66-12758

Trans. of Helvetic Chirurgica Acta (Switzerland) Series B v20 suppl. 7 p175-95 1953.

TT-66-30414 Field 6E

Titova, T. V.
INTERNATIONAL SYMPOSIUM ON PROBLEMS CONCERNING THE USE OF DEEP HYPOTHERMIA IN THE TREATMENT OF TERMINAL STATES, MOSCOW (15-19 SEP 1964). 2 Feb 66, 6p. JPRS-33971.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-30414

Trans. of Vestnik Khirurgii (USSR) v95 n11 p125-7 1965.

TT-66-32248 Field 6E, 2E, 6O, 6M, 6C, 6R

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 41. 3 Jun 66, 95p. JPRS-35814.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32248

TT-66-32413 Field 6E, 6L, 6M

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 102. 14 Jun 66, 23p. JPRS-35979.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32413

TT-66-32560 Field 6E, 6D, 6C

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 21, NO. 1, 1966. 23 Jun 66, 134p, 110refs. JPRS-36126.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-32560

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v21 n1 88p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-32664 Field 6E, 12A, 9B, 6J

Merkov, A. M., ed.
METHODOLOGICAL PROBLEMS OF HEALTH AND MEDICAL STATISTICS. 28 Jun 66, 207p, 50refs. JPRS-36231.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-32664

Trans. of mono. Metodologicheskie Sanitarnoi i Meditsinskoi Statistiki, Moscow, 1965 228p.

TT-66-32677 Field 6E, 6O, 6A, 6M

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 107. 29 Jun 66, 59p. JPRS-36244.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32677

TT-66-32709 Field 6E, 5I, 6J, 6I

SOVIET PUBLIC HEALTH, VOL. 25, NO. 3, 1966. 30 Jun 66, 176p, refs. JPRS-36276.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-32709

Trans. of Sovetskoe Zdravookhranenie (USSR) v25 n3 96p 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-32712 Field 6E

Sergeev, G. V.
ELECTRIC SLEEP THERAPY OF HYPERTENSION. 30 Jun 66, 55p. JPRS-36279.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32712

Trans. of mono. Lechenie Elektrosnom Bolnykh Gipertonicheskoi Boleznyu, Moscow, 1965 p3-6, 19-56, t/c.

TT-66-32716 Field 6E, 6O

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Order from CFSTI or ETC: HC$6.00, MF$1.50 as TT-66-32716

Trans. of Klinicheskaya Meditsina (USSR) v44 n2 p3-155 1966.

TT-66-32722 Field 6E, 5I, 5A, 14C

SOVIET PUBLIC HEALTH, VOL. 25, NO. 4, 1966. 30 Jun 66, 179p, refs. JPRS-36290.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-32722

Trans. of Sovetskoe Zdravookhranenie (USSR) v25 n4 p1-96 1966.

TT-66-32750 Field 6E

Ivanova, N. A.; Goldman, I. L.; Smertenko, I. I.; Vilkina, G. A.
STUDIES IN SOVIET CLINICAL MEDICINE. 6 Jul 66, 16p, 30refs. JPRS-36318.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32750

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) n2 p75-8, 97-101 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-32861 Field 6E

Utkin, V. V.
CEREBRAL VASCULAR CRISES. 12 Jul 66, 7p. JPRS-36429.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32861

Trans. of Voenno-Meditskinskii Zhurnal (USSR) n5 p91-4 1966.

TT-66-33226 Field 6E, 6O, 5I, 6I, 6C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 121. 3 Aug 66, 131p. JPRS-36796.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-33226

TT-66-33229 Field 6E, 6O

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 122. Heilungkiang Journal of Chinese Traditional Medicine. 3 Aug 66, 15p. JPRS-36799.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33229

TT-66-61294 Field 6E

Troshin, V. D.; Belousov, S. S.
HYPERREFLEXIA OF THE CAROTID SINUS AND CORONARY INSUFFICIENCY. May 66, 14p, 19refs. FASEB-S-463-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61294

Trans. of Sovetskaya Meditsina (USSR) v28 n7 p21-4 1965.

TT-66-61306 Field 6E

Fridman, F. E.
EXPERIENCE OF ULTRASOUND ECHOGRAPHY IN THE DIAGNOSIS OF CERTAIN EYE DISEASES. May 66, 17p, 11refs. FASEB-S-483-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61306

Trans. of Vestnik Oftalmologii (USSR) v78 n4 p62-8 1965.

TT-66-61325 Field 6E, 6R

Yudin, L. A.; Konnov, B. A.
CHANGES IN THYROID FUNCTION ASSOCIATED WITH X-RAY THERAPY OF CANCER OF THE FACE. May 66, 14p, 6refs. FASEB-S-368-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61325

Trans. of Meditsinskaya Radiologiya (USSR) v10 n5 p46-51 1965.

TT-66-61328 Field 6E

Samoilova, L. N.
ROLE OF THE ADRENAL CORTEX IN THE PATHOGENESIS OF ACUTE LEUKEMIA. May 66, 25p, 19refs. FASEB-S-422-5.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61328

Trans. of Klinicheskaya Meditsina (USSR) v43 n6 p98-104 1965.

TT-66-61329 Field 6E

Narubanov, P. G.
SIALIC ACID METABOLISM IN PEPTIC ULCER AND GASTRIC CARCINOMA CASES. May 66, 17p, 18refs. FASEB-S-424-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61329

Trans. of Klinicheskaya Meditsina (USSR) v43 n7 p53-8 1965.

TT-66-61576 Field 6E

Frideman, H. S.; Ratliff, F. R.
FOREIGN DEVELOPMENTS IN PROSTHETICS. Jun 66, 68p, 90refs. AMD-CR-01-4-66; AD-634 766.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-634 766

TT-66-61929 Field 6E, 6M

PROBLEMS OF THE MAJOR INFECTIOUS DISEASES (Problemy Vazhneishikh Infektsionnykh Zabolevanii). 26 Mar 66, 236p. FTD-TT-65-1594; AD-636 618.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as AD-636 618

Unedited rough draft trans. of Nauchnye Trudy Uchenykh i Prakticheskikh Vrachei Uzbekistana. Sbornik (USSR) n3 p1-194 1962.

F. Environmental biology

TT-66-61252 Field 6F, 15B, 6M, 6O, 8M

CBE FACTORS: MONTHLY SURVEY NO. 4. 1966, 72p. ATD-66-28; AD-632 780.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-632 780

H. Food

TT-65-50070 Field 6H

Cheftel, H.; Thomas, G.
PRINCIPLES AND METHODS FOR ESTABLISHING THERMAL PROCESSES FOR CANNED FOODS. 1965, 84p. SFCSI-Agr(TT-65-50070).
Order from CFSTI: HC$3.00 as TT-65-50070

Trans. of Etablissements J. -J. Carnaud et Forges de Basse-Indre. Laboratoire de Recherches, Billancourt. Bulletin (France) n14 Sep 63.

I. Hygiene and sanitation

TT-65-50023/3 Field 6I, 5I, 13B, 6E

HYGIENE AND SANITATION, VOL. 29, NO. 3, 1964. 1965, 182p, 168refs. SFCSI-HEW(TT-65-50023/3).
Order from CFSTI: $5.00 as TT-65-50023/3

Trans. of Gigiena i Sanitariya (USSR) v29 n3 182p 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

J. Industrial (occupational) medicine

TT-65-32227 Field 6J, 5I, 6I, 6E

LABOR HYGIENE PROBLEMS IN THE USSR. 26 Aug 65, 21p. JPRS-31732.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-32227

Trans. of mono. Gigiena Truda, Kiev, 1964, p3, 5-12, 267-9.

TT-66-32625 Field 6J, 6E

Shitskova, A. P.
OCCUPATIONAL PATHOLOGY. 27 Jun 66, 23p. JPRS-36192.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32625

Trans. of mono. Voprosy Profpatologii, Moscow, 1964 p169-87.
Problems of Occupational Pathology.

M. Microbiology

TT-65-64005 Field 6M, 6A

Zavilgelskii, G. B.; Ilyashenko, B. N.; Minyat, E. E.; Rudchenko, O. N.
PROTECTIVE ACTION OF ACRIDINE ORANGE AT THE

UV-IRRADIATION OF BACILLARY DNA OF BACTERIOPHAGE 1 phi-7 (Zashchitnoe Deistvie Akridinovogo Oranzhevogo pri Obluchenii Ultrafioletovymi Luchami Infektsionnoi DNK Bakteriofaga 1 phi-7).
Tr. by Elmar K. Wilip. Jan 65, 5p, 6refs. ANL-Trans-146.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as ANL-Trans-146

Trans. of Akademiya Nauk SSSR, Doklady, v155 n4 p937-9 1964.

TT-66-12628 Field 6M

Pillot, J.; Azambuja, S. D.
INDIRECT IMMUNOFLURESCENCE AND THE COMPLEMENT FIXATION REACTION WITH LEPTOSPIRA ICTEROHAEMORRHAGIAE. Tr. by A. N. Vildzius.
14 Sep 65, 6p, 6refs. NIH-9-13-65.
Order from SLA: $1.10 as TT-66-12628

Trans. of Institut Pasteur, Paris. Annales (France) v104 p137-41 1963.

TT-66-32602 Field 6M, 6O, 6C, 6F, 6R

VESTNIK OF THE USSR ACADEMY OF MEDICAL SCIENCES, VOL. 21, NO. 2, 1966. 24 Jun 66, 162p, refs. JPRS-36168.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-32602

Trans. of Akademiya Meditskinskih Nauk SSSR. Vestnik, v21 n2 p3-104 1966.

TT-66-61343 Field 6M, 6E

Terskikh, I. I.; Danilov, A. I.; Gromyko, A. I.
AEROSOL IMMUNIZATION WITH LIQUID VACCINE.
May 66, 19p, refs. FASEB-S-437-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61343

Trans. of Akademiya Meditsinskikh Nauk SSSR. Vestnik, v20 n7 p47-55 1965.
Another trans. is available from CFSTI or ETC in TT-65-32765, 161p.

TT-66-61347 Field 6M

Ermolaeva, E. V.; Fadeeva, L. L.; Balezina, T. I.; Korabelnikova, N. I.; Zhdanov, V. M.
FORMATION OF INTERFERON IN THE ANIMAL BODY.
May 66, 13p, 15refs. FASEB-S-407-5.
Order from CFSTI, SLA or ETC: HC$1.60, MF$0.50 as TT-66-61347

Trans. of Voprosy Virusologii (USSR) v10 n2 p221-4 1965.

N. Personnel selection and maintenance (medical)

TT-66-32598 Field 6N, 6R, 6J, 6E, 5I

Makkaveiskii, P. A.
STUDIES ON WORK FITNESS AND WORK ARRANGEMENTS.
23 Jun 66, 20p, refs. JPRS-36164.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32598

Trans. of mono. Ekspertiza Trudosposobnsti i Trudustroistvo pri Nervnykh i Psikhicheskikh Zabolevaniyakh, Leningrad, 1965 p5-17, 121-27.
Work Fitness Expertise and Work Arrangements in Nervous and Mental Diseases: 2 articles and table of contents.

TT-66-32611 Field 6N, 6J, 6I, 5I, 6E, 13B, 6H

Cadariu, G.
EVOLUTION AND PRESENT PROBLEMS OF HYGIENE.
24 Jun 66, 11p. JPRS-36177.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32611

Trans. of Igiena (Rumania) n4 p193-201 1966.

O. Pharmacology

TT-64-11412/6 Field 6O

POLISH PHARMACEUTICAL ACTS, VOL. 21, NO. 6, P.515-606 1964. 1964, 94p, 173refs.
SFCSI-HEW-NLM(TT-64-11412/6).
Order from CFSTI: $3.00 as TT-64-11412/6

Trans. of Acta Poloniae Pharmaceutica, v21 n6 1964.

TT-65-50303/6 Field 6O

POLISH PHARMACEUTICAL ACTS, VOL. 22, NO. 6, 1965. 1966, 79p, refs. SFCSI-HEW-NLM(TT-65-50303/6).
Order from CFSTI: $3.00 as TT-65-50303/6

Trans. of Acta Polaniae Pharmaceutica, v22 n6 p577-652 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-31066 Field 6O

Spivak, F. I.
PROSPECTS OF DEVELOPMENT OF PHARMACEUTICS IN THE UKRAINE IN 1966--1970. 18 Mar 66, 8p. JPRS-34627.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-31066

Trans. of Aptechnoe Delo (USSR) v14 n6 p7-10 1965.

TT-66-60717 Field 6O

Lapin, I.
MEDICINE IMPROVES THE STATE OF MIND. 20 Jan 66, 10p. FTD-TT-65-1368; AD-629 411.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-629 411

Unedited rough draft trans. from Meditsinskaya Gazeta, 27 Aug p3 1965.

TT-66-61295 Field 6O, 6E

Nasonova, V. A.; Guseva, N. G.; Nesgovorova, L. I.; Ivanova, M. M.
BASIC PRINCIPLES OF INTERATED THERAPY OF 'MAJOR' COLLAGENOSES. May 66, 22p, 9refs.
FASEB-S-326-5.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61295

Trans. of Sovetskaya Meditsina (USSR) v28 n5 p46-51 1965.

TT-66-61314 Field 6O

Korablev, M. V.; Simorot, R. P.
EFFECT OF DITHIOCARBAMIC ACID DERIVATIVES ON THE ACTIVITIES OF CYTOCHROME OXIDASE, SUCCINATE DEHYROGENASE AND CATALASE. May 66, 9p, 15refs.

FASEB-S-338-5.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61314

Trans. of Farmakologiya i Toksikologiya (USSR) v28 n2 p234-8 1965.

TT-66-61315 Field 6O, 6E

Aliev, M. A.
PREVENTION OF EXPERIMENTAL HYPERTENSION BY CHLORPROMAZINE AT HIGH ALTITUDES. May 66, 6p, 6refs. FASEB-S-430-5.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61315

Trans. of Farmakologiya i Toksikologiya (USSR) v28 n3 p282-4 1965.

TT-66-61316 Field 6O

Solovev, V. N.; Konyaev, G. A.; Novikov, S. S.; Khmelnitskii, L. I.; Novikova, T. S.
ANTIBACTERIAL ACTIVITY OF NITROFURANES WITH SIMPLE SUBSTITUENTS. May 66, 10p, 16refs. FASEB-S-433-5.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61316

Trans. of Farmakologiya i Toksikologiya (USSR) v28 n3 p316-20 1965.

TT-66-61317 Field 6O

Polukordas, G.; Repchite, M.
PHARMACOLOGICAL ACTIVITY OF SOME AMINOETHYL ESTERS OF BENZODIOXANE-1,4. May 66, 13p, 13refs. FASEB-S-601-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61317

Trans. of Farmakologiya i Toksikologiya (USSR) v28 n5 p603-8 1965.

TT-66-61353 Field 6O, 6E

Shapiro, L. P.
USE OF AEROSOLS OF ANTITUBERCULOUS PREPARATIONS IN THE TREATMENT OF PULMONARY AND BRONCHIAL TUBERCULOSIS. Mar 66, 13p, 17refs. FASEB-S-388-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61353

Trans. of Sovetskaya Meditsina (USSR) v28 n6 p70-4 1965.

P. Physiology

TT-66-12651 Field 6P, 6R

Lato, M.; Severi, F.; Rossoni, R.
RADIOLOGICAL INVESTIGATION BY MEANS OF CHOLECYSTOKININ. 7p (figs omitted) 9refs.
Order from SLA: $1.10 as TT-66-12651

Trans. of la Clinica Pediatrica (Italy) v44 p291-5 1962.

TT-66-12652 Field 6P, 6R

Vandendorp, F.; Paris, J.; Bois, R. du.
BEHAVIOR MODIFIERS IN THE STUDY OF THE BILIARY TRACT. COMBINED EFFECT OF MORPHINIC SUBSTANCES AND CHOLECYSTOKININ (Modificateurs de Comportement dans l' Etude des Voies Biliares). 9p (figs omitted).
Order from SLA: $1.10 as TT-66-12652

Trans. of Journal de Radiologie, d'Electrologie et de Medicine Nucleaire (France) v44 p258-63 1963.

TT-66-32584 Field 6P, 6C

Kovacs, G.; Feher, G.
PROGRESS IN THE DEPARTMENTS OF ANATOMY AND HISTOLOGY OVER THE PAST TWENTY YEARS. 23 Jun 66, 13p. JPRS-36150.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32584

Trans. of Magyar Allatorvosok Lapja (Hungary) n3 p102-5 1966.

TT-66-32713 Field 6P, 9B

Nazarov, V. A.
A METHOD OF FEEDING PHYSIOLOGICAL DATA INTO THE URAL-2 ELECTRONIC COMPUTER. 30 Jun 66, 8p, 3refs. JPRS-36280.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32713

Trans. of Byulleten Eksperimentalnoi Biologii i Meditsiny (USSR) n1 p95-8 1966.

TT-66-61302 Field 6P

Glivenko, E. V.; Korolkova, T. A.; Kuznetsova, G. D.; Luchkova, T. I.; Trubnikova, R. S.
PHYSIOLOGICAL EVALUATION OF THE AVERAGE-REFERENCE TECHNIQUE FOR RECORDING POTENTIALS. May 66, 25p, 7refs. FASEB-S-461-5.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61302

Trans. of Fiziologicheskii Zhurnal SSSR, v51 n8 p943-51 1965.

TT-66-61309 Field 6P

Podvigin, N. F.
POSITION OF STIMULUS, FORM OF ELECTRORETINOGRAM AND DISTRIBUTION OF POTENTIALS IN DEPTH IN THE RETINA. May 66, 25p, 20refs. FASEB-S-455-5.
Order from CFSTI, SLA, or ETC: HC$2.60, MF$0.50 as TT-66-61309

Trans. of Biofizika (USSR) v10 n4 p681-8 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61323 Field 6P

Pines, Yu. L.
ADAPTATION IN RENAL RECEPTORS: AN ELECTRO-PHYSIOLOGICAL INVESTIGATION. May 66, 17p, 31refs. FASEB-S-489-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61323

Trans. of Fiziologicheskii Zhurnal SSSR, v51 n9 p1116-22 1965.

R. Radiobiology

TT-65-31231 Field 6R

Amiragova, M. I.
PRIMARY RADIOBIOLOGICAL PROCESSES: SELECTED PARTS. 10 Jun 65, 10p. JPRS-30541.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-65-31231

Trans. from mono. Pervichnye Radiobiologicheskie Protsessy, Moscow, 1964.

TT-66-60723 Field 6R, 22A, 18F

Nefedova, Yu. G., ed.
PROBLEMS OF RADIATION SAFETY OF SPACE FLIGHTS. PHYSICAL AND BIOLOGICAL INVESTIGATIONS WITH HIGH-ENERGY PROTON. 27 Dec 65, 231p, 215refs. FTD-MT-65-159; AD-629 421.
Order from CFSTI or ETC: HC$22.70, MF$1.25 as AD-629 421

Edited machine trans. of mono. Problemy Radiatsionnoi Bezopasnosti Kosmicheskikh Poletov. Fizicheskie i Biologicheskie Issledovaniya s Protonami Bolshikh Energii, Moscow, 1964 239p.

TT-66-60724 Field 6R

Grigorev, Yu.; Kovalev, E.
RADIATION SAFETY. 1 Feb 66, 11p.
FTD-TT-65-1682; AD-629 422.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-629 422.

Unedited rough draft trans. from Meditsinskaya Gazeta, 21 Sep p3 1965.

TT-66-61291 Field 6R

Strelin, G. S.; Evsyukov, V. I.
SUPPRESSION AND RECOVERY OF THE POWER OF PERIPHERAL NERVE TO REGENERATE AFTER IRRADIATION. May 66, 17p, 11refs. FASEB-S-502-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61291

Trans. of Meditsinskaya Radiologiya (USSR) v10 n8 p67-73 1965.

TT-66-61308 Field 6R, 6E

Tyubiana, M.; Frindel, E.
RADIOSENSITIZERS AND METHODS OF INCREASING RADIOSENSITIVITY. May 66, 45p, 39refs. FASEB-S-501-5.
Order from CFSTI, SLA, or ETC: HC$4.60, MF$0.50 as TT-66-61308

Trans. of Meditsinskaya Radiologiya (USSR) v10 n8 p55-67 1965.

S. Stress physiology

TT-66-30535 Field 6S

Sirotin, N.
PROBLEMS OF SUSPENDED ANIMATION FOR SPACE FLIGHTS. 10 Feb 66, 7p. JPRS-34093.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-30535

Trans. from Krasnaya Zvezda (USSR) 19 Dec p4 1965.

TT-66-31093 Field 6S

Chkhaidze, L. V.
COORDINATION OF HUMAN VOLUNTARY MOVEMENTS DURING FLIGHT IN OUTER SPACE. 22 Mar 66, 128p, 37refs. JPRS-34654.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-31093

Trans. of mono. Koordinatsiya Proizvolnykh Dvizhenii Cheloveka v Usloviyakh Kosmicheskogo Poleta (USSR) 1965 111p.

TT-66-32616 Field 6S, 6C

Pravetskii, V.; Gurovskii, N.; Egorov, B.; Kiselev, A.
SOME EFFECTS OF THE FLIGHT OF THE KOSMOS-110 ON THE TEST DOGS. 27 Jun 66, 5p. JPRS-36182.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32616

Trans. from Pravada, Moscow (USSR) 17 May p6 1966.

TT-66-61318 Field 6S, 22C

Vasilev, P. V.; Voskresenskii, A. D.; Kasyan, I. I.; Maksimov, D. G.; Pestov, I. D.
REACTIONS OF CARDIOVASCULAR AND RESPIRATORY SYSTEMS OF COSMONAUTS DURING ORBITAL FLIGHT IN SPACE SHIP 'VOSKHOD-1'. May 66, 18p, 12refs. FASEB-S-425-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61318

Trans. of Akademiya Nauk SSSR, Izvestiya. Seriya Biologicheskaya, v30 n4 p491-500 1965.

TT-66-61450 Field 6S

Koriakina, A. F.; Krestownikoff, A. N.; Kossowskaja, E. B.
ON TH E CHANGES IN THE CHLORID E LEVELS IN THE BLOOD, URINE, AND SWEAT ASSOCIATED WITH MUSCULAR ACTIVITY. Jan 66, 24p, refs. NASA-TT-F-9736; N66-22280.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as N66-22280

Trans. of Arbeitsphysiologie (Germany) v2 p461-73 1930. Presented at the 127th meeting of the Russian Physiol. Soc., 31 Oct 1929.

T. Toxicology

TT-66-61324 Field 6T, 6E, 6J, 13B

Kelman, G. Ya.
TOXIC EFFECTS OF 2,2,4-TRIMETHYL-1,2-DIHYDROQUINOLINE (ACETONANYL), A NEW RESIN ANTIOXIDANT FROM THE INDUSTRIAL HYGIENE ASPECT. May 66, 13p, 8refs. FASEB-S-505-5.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61324

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v9 n8 p32-7 1965.

07 CHEMISTRY

TT-63-11365 Field 7-, 6O

ANNALS OF CHEMISTRY, VOL. 34, NO. 1, 1960. 1965, 300p, 336refs. SFCSI-AEC(TT-63-11365); AEC-tr-4605.
Order from CFSTI: $6.00 as AEC-tr-4605

Trans. of Roczniki Chemii (Poland) v34 n1 364p 1960.

TT-63-11366 Field 7-, 6A

ANNALS OF CHEMISTRY, 1960, VOL. 34, NO. 2. 1965, 324p, 427refs. SFCSI-AEC(TT-63-11366); AEC-tr-4606. Order from CFSTI: $7.00 as AEC-tr-4606

Trans. of Roczniki Chemii (Poland) v34 n2 p367-74 1960.

TT-66-31106 Field 7-, 13B, 6O, 6F

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 23. 22 Mar 66, 86p. JPRS-34667.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-31106

TT-66-32760 Field 7-

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 29. 6 Jul 66, 146p. JPRS-36328.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-32760

TT-66-32887 Field 7-

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 30. 14 Jul 66, 51p. JPRS-36455.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32887

TT-66-32896 Field 7-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 77. 13 Jul 66, 58p. JPRS-36464.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-32896

TT-66-32987 Field 7-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 78. 19 Jul 66, 35p. JPRS-36556.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32987

A. Chemical engineering

TT-66-32770 Field 7A, 11G

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 298. 7 Jul 66, 27p. JPRS-36338.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32770

TT-66-32782 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 1. 7 Jul 66, 27p. JPRS-36350.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32782

TT-66-32941 Field 7A, 13I

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 3. 15 Jul 66, 29p. JPRS-36509.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32941

TT-66-32975 Field 7A, 13H, 9B

Golovanov, O. V.; Zimin, P. B.; Troitskii, V. A.
DETERMINING ERROR IN A SYSTEM FOR AUTOMATIC CALCULATION OF TECHNICAL-ECONOMIC CHARACTERISTICS. 18 Jul 66, 9p. JPRS-36543.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32975

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) v20 n4 p43-5 1966.

TT-66-61380 Field 7A, 19A

Woehler, L.; Martin, F.
NEW FULMINATES AND AZIDES (Ueber Neue Fulminate und Azide). 1966, 14p, 11refs. AERDL-T-1828-66; AD-479 637.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-479 637

Trans. of Chemische Berichte (West Germany) n50 p586-96 1917.
Contract DA-44-009-AMC-1563(T).

TT-66-61381 Field 7A, 19A

Woehler, L.
MOLECULAR WEIGHT OF FULMING ACID (Die Molekulargroesse der Knallsaure). 1966, 13p, 25refs. AERDL-T-1827-66; AD-479 639.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-479 639

Trans. of mono. Chemische Berichte, Karlsrhue, 1905 p1351-9.
Contract DA-44-009-AMC-1563(T).

C. Organic chemistry

TT-66-33045 Field 7C

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 332. Reaction of Bis (1,3-Diphenyl-2-Imidazolidinylidene With Carbon Compounds). 21 Jul 66, 9p. JPRS-36614.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33045

TT-66-60102 Field 7C

Andrianov, K. A.; Pakhomov, V. I.; Lapteva, N. E.
REACTIONS OF CHLOROMETHYLSILANES AND SILOXANE WITH DEHYDRIC PHENOLS (O Reaktsiyakh Khlormetilsilanov i Siloksanov s Dvykhatomnymi Fenolami). 1965, 6p. Trans-2043; AD-625 613.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-625 613

Trans. of Plasticheskie Massy (USSR) v9 p20-2 1965.

D. Physical chemistry

TT-66-12705 Field 7D

Haupt, J.; Mueller-Warmuth, W.
MEASUREMENTS OF NUCLEAR MAGNETIC RELAXATION TIMES OF LIQUIDS IN A WEAK MAGNETIC FIELD T2IN ORGANIC SOLVENTS. 18p, 22refs.
Order from SLA: $1.60 as TT-66-12705

Trans. of Zeitschrift fuer Naturforschung (West Germany) v17a n5 p405-10 1962.

TT-66-33109 Field 7D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 864. 26 Jul 66, 32p. JPRS-36678.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33109

TT-66-61403 Field 7D, 20M

Gurvich, L. V.; Yugman, V. S.
CALCULATING THE THERMODYNAMIC FUNCTIONS OF GASEOUS URANIUM, PLUTONIUM AND THEIR IONS UP TO 20,000K. 20 Jan 66, 14p, 7refs.
FTD-TT-65-1480; AD-633 665.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 665

Unedited rough draft trans. of mono. Simpozium po Termodinamike s Osobym Uporom na Yadernye Materialy i Perenos Atomov v Tverdykh Telakh, Vienna, 22-7 Jul 1965. Papers, n.p., n.d. 12p.

TT-66-61573 Field 7D

Belina, T. N.; Krasilshchikov, A. I.
KINETICS OF THE ELECTROCHEMICAL REDUCTION OF OXYGEN (Kinetika Elektrochimicheskovo Bosstanovleniya Kisloroda). 1966, 10p, 12refs.
Trans-2149; AD-634 598.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-634 598

Trans. of Zhurnal Fizicheskoi Khimmi (USSR) v28 n7 p1286-91 1954.
Another trans. is available in French from ETC or CNRS: HC$1.60 as TT-64-23331, 13p.

TT-66-61710 Field 7D, 20M

Tsesarskii, I. B.
HEAT TRANSFER FROM A CYLINDRICAL SURFACE WITH A DENSE NETWORK OF RIBS. 1966, 5p, 3refs.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 14as TT-66-61710

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v9 n6 p783-7 1965.

E. Radio and radiation chemistry

TT-66-51010 Field 7E, 20H, 8G, 6R

Lobanov, E. M., ed.
ACTIVATION ANALYSIS: PROCEEDINGS OF THE FIRST ALL-UNION COORDINATING CONFERENCE. 1966, 137p, 165refs. AEC-tr-6639; SFCSI-AEC(TT-66-51010).
Order from CFSTI: $4.00 as AEC-tr-6639

Trans. of Vsesoyuznaya Koordinatsionnaya Soveshchaniya po Aktivatsionnomu Analizu (No. 1) Tashkent, 24-8 Oct 62, Trudy, Tashkent, 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

08 EARTH SCIENCES AND OCEANOGRAPHY

TT-66-32889 Field 8-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 44. 13 Jul 66, 39p. JPRS-36457.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32889

TT-66-33140 Field 8-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 56. Quarternaria Sinica. 27 Jul 66, 12p. JPRS-36709.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33140

A. Biological oceanography

TT-65-50120 Field 8A, 6C

Rass, T. S., ed.
FISHES OF THE PACIFIC AND INDIAN OCEANS BIOLOGY AND DISTRIBUTION (Biologiya i Rasprostranenie ryb Tikhogo i Indiiskogo Okeanov). Tr. by Laurence Penny, Edith Roden and Era Roifer. 1966, 270p, refs.
SFCSI-Smi(TT-65-50120).
Order from CFSTI: $6.00 as TT-65-50120

Trans. of Akademiya Nauk SSSR, Institut Okeanologii. Trudy, v73 1964.

TT-66-61247 Field 8A

Vladimirskaya, E. V.
QUANTITATIVE DISTRIBUTION AND SEASONAL DYNAMICS OF ZOOPLANKTON IN THE NEWFOUNDLAND AREA. Tr. by E. R. Hope. Apr 66, 9p, 8refs. DSIS-T-452-R; AD-632 739.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 739

Trans. of Okeanologicheskie Issledovaniya (USSR) n13 p137-42 1965.

B. Cartography

TT-66-61104 Field 8B

Konieczny, J.
INTERPRETOSCOPE NEW PHOTOGRAMMETRIC DEVICE PRODUCED BY THE VEB C. ZEISS-JENA. 23 Mar 66, 7p. FTD-TT-65-1727; AD-631 582.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 582

Unedited rough draft trans. of Przeglad Geograficzny (Poland) v36 n12 p475-6 1964.

TT-66-61851 Field 8B

Kuo Wei-hsing.
ELECTRONICS APPLIED IN AERIAL SURVEYING. Jul 66, 9p. ERDL-T-1860-66; AD-636 190.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 190

Trans. of Wu Hsien Tien (Chinese People's Republic) n8 p1-2 1965.

C. Dynamic oceanography

TT-66-32914 Field 8C

STUDIES IN PHYSICS OF THE ATMOSPHERE AND OCEAN. 14 Jul 66, 74p, 41refs. JPRS-36482.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32914

Trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v2 n4 p367-422 1966.

TT-66-32957 Field 8C

Felzenbaum, A. I.
OCEANIC CIRCULATION AND EKMAN'S PROBLEM. 15 Jul 66, 9p, 8refs. JPRS-36525.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32957

Trans. of Akademiya Nauk SSSR. Doklady, v167 n4 p807-10 1966.

TT-66-60403 Field 8C, 8J, 8A

Shirei, V. A.
METHODS AND INTRUMENTS OF OCEANOLOGICAL RESEARCH (Methodika Rabot s Yakornitimi Buikovitimi Stantsiyami). Tr. by G. D. Matzureff. 1965, 43p. Trans-988; AD-627 256.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-627 256

Trans. of Akademiya Nauk SSSR. Institut Okeanologii. Trudy, v55 p3-22 1962.

TT-66-60998 Field 8C, 4B, 20D

Brovikov, I. S.
ON THE CALCULATION OF WIND WAVE ELEMENTS IN THE CASE OF A VARIABLE WIND. Tr. by L. J. Holtschlag. 29 Mar 66, 12p, 5refs. TG-230-T471; AD-631 014.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-631 014

Trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) n38 p3-10 1957.

TT-66-61853 Field 8C, 20D

Brovikov, I. S.
CHANGES IN THE COMPONENTS OF WAVES WHEN REACHING SHALLOW WATER (Izmenenie Elementov Voln Pri Ikh Vykhode na Melkovode). Tr. by M. Slessers. 1966, 10p, 4refs. NOO-Trans-235; AD-636 218.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 218

Trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) v50 p27-32 1960.

E. Geodesy

TT-66-33288 Field 8E, 8B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 58. Acta Geodetica et Cartographica Sinica. 4 Aug 66, 10p. JPRS-36858.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33288

F. Geography

TT-65-50145 Field 8F, 6C

Nudelman, A. V.
SOVIET ANTARCTIC EXPEDITIONS, 1959-1961. 1966, 162p, 26refs. SFCSI-NSF(TT-65-50145).
Order from CFSTI: $5.00 as TT-65-50145

Trans. of mono. Sovetskie Ekspeditsii v Antarktiku 1959-61 gg., Moscow, 1962.

TT-66-32910 Field 8F

Freile, A. J.; Chavez, L. F.
GEOGRAPHY OF THE ORINOCO DELTA AND THE PAEZ DISTRICT OF VENEZUELA. 14 Jul 66, 34p, 11refs. JPRS-36478.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32910

Trans. of GEA; Revista Venezolana de Geografia (Venezuela) v3 n5 p9-45 1963.

TT-66-61219 Field 8F

ACTA GEOPHYSICA SINICA: ABSTRACTS OF ARTICLES, 1966, 6p. Emm-65-46(a); AD-632 412.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 412

Trans. of Ti Ch'iu Wu Li Hsueh Pao (Chinese People's Republic) v14 n1 72p 1965.
Contract AF 19(628)-5073.

G. Geology and mineralogy

TT-66-32787 Field 8G

Chernysheva, V. I.; Bezrukov, P. L.
SERPENTINITES FROM THE CREST OF THE ARABIAN-INDIAN RIDGE. 7 Jul 66, 8p, 13refs. JPRS-36355.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32787

Trans. of Akademiya Nauk SSSR. Doklady, v166 n4 p961-4 1966.

TT-66-32928 Field 8G

Fei Wen-chung; Chou Ming-chen; Chia-chien.
CHINA'S CENOZOIC GROUP. 14 Jul 66, 66p, 157refs. JPRS-36496.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32928

Trans. of mono. Ch'uan-kuo Ti-ts'eng Hui-i Hsueh-shu Pao-kao Hui-p'ien, Peking, 1965 31p.

TT-66-60357 Field 8G

Gorshkov, A. P.; Kochegura, V. V.; Shteinberg, G. S.
PALEOMAGNETIC STUDIES OF THE LAVAS OF AVACHA VOLCANO (KAMCHATKA). Tr. by E. R. Hope. Aug 65, 12p, 10refs. DSIS-T-431-R; AD-627 053.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 053

Trans. of mono. Rock Magnetism and Paleomagnetism, Krasnoyarsk, 1963 p267-78.

TT-66-60380 Field 8G, 8N

Krugliakov, V. V.
METHOD OF SELECTING ORIENTATED SAMPLES FROM IRREGULARLY BEDDED ROCKS FOR PALEOMAGNETIC STUDIES. Tr. by E. R. Hope. Aug 65, 3p, 3refs. DSIS-T-432-R; AD-627 127.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 127

Trans. of mono. Rock Magnetism and Paleomagnetism, Krasnoyarsk, 1963 p425-7.

TT-66-61192 Field 8G

Luchitskii, I. V.
TECTONICS OF SIBERIA. VOL. II: TECTONICS OF THE KRASNOYAR KRAY. 1966, 268p, 215refs.
ACIC-TC-955; AD-632 202.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as AD-632 202

Trans. of mono. Tektonika Sibiri. Tom II. Tektonika Krasnoyarskogo Kraya, Novosibirsk, 1963 385p.

TT-66-61511 Field 8G, 4A

Zotkin, I. T.; Cikulin, M. A.
MODELING THE TUNGUS METEORITE EXPLOSION.
Tr. by E. R. Hope. May 66, 7p, 11refs.
DSIS-T-458-R; AD-634 380.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 380

Trans. of Akademiya Nauk SSSR, Doklady, v167 n1 p59-62 1966.

H. Hydrology and limnology

TT-66-32915 Field 8H

DEVELOPMENTS IN THE HYDROLOGICAL SERVICE.
14 Jul 66, 25p. JPRS-36483.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32915

Trans. of Meteorologiya i Gidrologiya (USSR) n5 p1-5, 58-64 1966.

TT-66-61259 Field 8H, 8F, 13B

Grien, A. M.; Dreer, N. N.
THE NATION'S WATER WEALTH THE WATER BALANCE AND ITS TRANSFORMATION. 1966, 12p.
Trans-975; AD-632 864.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 864

Trans. of Priroda (USSR) n5 p36-43 1963.

I. Mining engineering

TT-66-32762 Field 8I, 7A

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 297. 6 Jul 66, 31p. JPRS-36330.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32762

J. Physical oceanography

TT-66-60381 Field 8J

Komarov, A. G.
OCEANIC RIDGES AND RIFT STRUCTURE. GEOLOGICAL NATURE OF THE MAGNETIC AND GRAVITY ANOMALIES OVER THE RIFT VALLEY. Tr. by E. R. Hope.
Nov 65, 8p. DSIS-T-437-R; AD-627 128.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 128

Trans. of Priroda (USSR) v54 n7 p95-8 1965.

TT-66-61847 Field 8J, 8G

Klenova, M. V.
THE CLASSIFICATION OF CONTEMPORARY MARINE SEDIMENTS (Klassifikatsiya Sovremennykh Morskikh Otozhenii). Tr. by M. Slessers. 1966, 25p, 27refs.
NOO-Trans-233; AD-636 219.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-636 219

Trans. of Okeanologiya (USSR) v3 n3 p527-37 1963.

L. Snow, ice and permafrost

TT-66-61043 Field 8L, 20B

Cherepanov, N. V.
STRUCTURE OF SEA ICE OF GREAT THICKNESS.
Jan 66, 10p, 5refs. DSIS-T-448-R; AD-631 236.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 236

Trans. of Arkticheskii i Antarkticheskii Nauchno-Issledovatelskii Institut. Trudy (USSR) v267 p13-8 1964.

N. Terrestrial magnetism

TT-65-34032 Field 8N, 20I, 12-

THIRD ALL-UNION SYMPOSIUM ON WAVE DIFFRACTION (TBILISI, 24-30 SEP 64). 22 Dec 65, 364p, 83refs.
JPRS-33458.
Order from CFSTI or ETC: HC$7.00, MF$1.75 as TT-65-34032

Trans. of mono. Vsesoiuznyi Simpozium po Difraktsii Voln (no. 3) Tbilisi, 24-30 Sep 64. Referativy Dokladov, Moscow, 1964 245p.

TT-66-61011 Field 8N, 3B, 4A

Hu Yueh-jen.
INFLUENCE OF SOLAR ROTATION ON THE GEOMAGNETIC FIELD (I). Sep 65, 11p, 13refs.
Emm-65-6; AD-631 062.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 062

Trans. of Ti Ch'iu Wu Li Hsueh Pao (Chinese People's Republic) v7 n2 p103-7 1958.
Contract AF 19(628)-5073.

TT-66-61024 Field 8N, 3C

Hu Yueh-jen.
INFLUENCE OF SOLAR ROTATION ON THE GEOMAGNETIC FIELD (II). Sep 65, 17p, 10refs.
Emm-65-7; AD-631 120.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 120

Trans. of Ti Chiu Wu-Li Hsueh-Pao (Chinese People's Republic) v8 n2 p123-31 1959.
Contract AF 19(628)-5073.

TT-66-61196 Field 8N, 4A

Vinogradov, P. A.
PULSATIONS OF BEAT TYPE IN THE ELECTROMAGNETIC FIELD OF THE EARTH (ACCORDING TO

OBSERVATION AT IRKUTSK). Tr. by E. R. Hope. Feb 66, 14p, 6refs. DSIS-T-443-R; AD-632 259. Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 259

Trans. of Geologiya i Geofizika (USSR) n11 p114-24 1962.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

TT-66-33280 Field 9A, 20L

Bura, E.
SOVIET MEDIUM- AND HIGH-POWER MONOCRYSTAL SEMIDONDUCTOR RECTIFIERS: PT. III. 4 Aug 66, 6p, 9refs. JPRS-36850.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33280

Trans. of Elektrie (Germany) n6 p247-8 1966.

TT-66-60364 Field 9A, 12A

Kovalev, I. S.
CALCULATION OF THE FIELD OF AN ASYMMETRICAL STRIP TRANSMISSION LINE TAKING INTO ACCOUNT THE THICKNESS OF THE STRIP. 4 Jan 66, 11p, 2refs. FTD-TT-65-1470; AD-627 074
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 074

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) v8 n1 p105-9 1965.

TT-66-60498 Field 9A, 20F

NEW US-01 LIGHT AMPLIFIER. 5 Nov 65, 5p. FTD-TT-65-708; AD-627 991.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 991

Unedited rough draft trans. of Tekhnika Molodezhi (USSR) v32 n11 p22 1964.

TT-66-61652 Field 9A

Yarmosh, N. A.
A FERRITE-TRIODE PRINTED CIRCUIT CARD, CONTROLLED BY A TRIGGER. 11 Feb 66, 14p, 6refs. FTD-MT-65-200; AD-635 006.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 006

Edited machine trans. of mono. Ferrity i Beskontaktnye Elementy, Minsk, 1963 p390-8.

B. Computers

TT-65-32326 Field 9B, 12B, 13H

AUTOMATION, NO. 1, 1965. 2 Sep 65, 133p, 85refs. JPRS-31831.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-65-32326

Trans. of Avtomatyka (USSR) v10 n1 93p 1965.

TT-66-32873 Field 9B

Goroshin, O. I.; Zhuravskii, Yu. P.
MULTICHANNEL REGULATOR CONNECTING DEVICE FOR THE DNIEPER UNIVERSAL GENERAL PURPOSE COMPUTER. 12 Jul 66, 6p. JPRS-36441.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32873

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) n4 p22-3 1966.

TT-66-32958 Field 9B, 5C

Babashkin, L.
THE USE OF ELECTRONIC COMPUTERS IN NATIONAL ECONOMIC PLANNING. 15 Jul 66, 15p. JPRS-36526.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32958

Trans. of Planovoe Khozyaistvo (USSR) v44 n6 p30-40 1966.

TT-66-33251 Field 9B

ALL-UNION SCIENTIFIC SESSION DEVOTED TO RADIO DAY (NO. 22): SECTION ON ELECTRONIC COMPUTER TECHNIQUES. 3 Aug 66, 70p, refs. JPRS-36821.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33251

Trans. of mono. Vsesoyuznaya Nauchnaya Sessiya, Posvyashchennaya Dnyu Radio (no. 22): Sektsiya Elektronno-Vychislitelnoi Tekhniki, Moscow, 1966.

TT-66-61134 Field 9B

Vitenberg, I. M.; Kozlova, A. I.
SCHEME OF REMULTIPLICATION ARRANGEMENT USING THE MEASURING METHOD OF INSTANTANEOUS VALUES OF MAGNITUDEDS. 30 Mar 66, 12p, 2refs. FTD-TT-65-1493; AD-631 853.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 853

Unedited rough draft trans. of mono. Voprosy Vychislitenoi Matematiki i Vychislitelnoi Tekhniki. Moscow, 1963 p331-5.

TT-66-61583 Field 9B

Mamonov, E. I.
QUESTIONS IN DESIGNING FOR THE HIGH-SPEED OPERATION OF UNITS AND THE EVALUATION OF THE PRODUCTIVITY OF DIGITAL COMPUTERS. 18 Feb 66, 18p, 4refs. FTD-MT-65-219; AD-634 809.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 809

Trans. of Inzhenerno-Fizicheskii Institut. Vychislitelnaya Tekhnika; Sbornik Statei (USSR) n2 p8-20 1961.

C. Electronic and electrical engineering

TT-66-32021 Field 9C, 17B, 6D

Berg, A. I.
ELECTRONICS AS KEY TO PROGRESS. 18 May 66, 7p. JPRS-35586.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-32021

Trans. from Krasnaya Zvezda (USSR) 7 May p2 1966.

TT-66-32608 Field 9C

USSR INDUSTRIAL DEVELOPMENT: SOVIET ELECTRICAL EQUIPMENT NO. 130. 24 Jun 66, 11p.
JPRS-36174.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-32608

TT-66-32784 Field 9C

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 1. 7 Jul 66, 25p. JPRS-36352.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as
TT-66-32784

TT-66-32883 Field 9C, 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRICAL POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 2. 13 Jul 66, 16p. JPRS-36451.
Order from CFSTI or ETC: HC$1.00, FM$0.50
as TT-66-32883

TT-66-32894 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 40. 13 Jul 66, 93p.
JPRS-36462.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as
TT-66-32894

TT-66-32933 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 41. 15 Jul 66, 67p.
JPRS-36501.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as
TT-66-32933

TT-66-32945 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 29. 15 Jul 66, 16p. JPRS-35513.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-32945

TT-66-32960 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 42. 18 Jul 66, 152p.
JPRS-36528.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as
TT-66-32960

TT-66-32989 Field 9C

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 22. 19 Jul 66, 26p.
JPRS-36558.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as
TT-66-32989

TT-66-32993 Field 9C, 14B

USSR INDUSTRIAL DEVELOPMENT: ELECTRONICS AND PRECISION EQUIPMENT NO. 2. 19 Jul 66, 14p.
JPRS-36562.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as
TT-66-32993

TT-66-33075 Field 9C

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 23. 25 Jul 66, 72p.
JPRS-36644.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as
TT-66-33075

TT-66-61097 Field 9C

Kutsevalov, V. M.
ASYNCHRONOUS MACHINE WITH SOLID ROTOR.
27 Jan 66, 235p, 206refs. FTD-MT-64-362; AD-631 570.
Order from CFSTI or ETC: HC$6.00, MF$1.25
as AD-631 570

Edited machine trans. of mono. Asinkhronnaya Mashina s Massivnym Rotorom, Riga, 1962 187p.

TT-66-61138 Field 9C, 14B

Evlanov, Yu. N.; Kharchenko, R. R.
MEASURING CONVERTERS OF ELECTRIC MAGNITUDES TO PULSE FREQUENCY. 30 Mar 66, 22p, 17refs.
FTD-TT-65-908; AD-632 069.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-632 069

Unedited rough draft trans. of Elektrichestvo (USSR) n1 p48-53 1965.

E. Subsystems

TT-66-32952 Field 9E, 5A

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 299. 15 Jul 66, 26p. JPRS-36520.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as
TT-66-32952

TT-66-61237 Field 9E, 9A

Rupp, W. M.
FREQUENCY MULTIPLICATION IN CIRCUITS WITH ABRUPT-JUNCTION VARACTOR DIODES. Feb 66, 77p, 7refs. ECOM-2666; AD-632 537.
Order from CFSTI or ETC: HC$3.00, MF$0.75
as AD-632 537

Trans. of Technische Hochschule, Munich. Thesis.

TT-66-61465 Field 9E, 12A

Kacinskas, L.
MATHEMATICS OF ANTENNAS: ANNOTATED BIBLIOGRAPHY. 31 Mar 66, 68p. ATD-66-33; AD-634 090.

Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-634 090

Rept. on Surveys of Soviet Scientific and Technical Literature.

TT-66-61799 Field 9E

Nesteruk, V. F.; Porfireva, N. N.
CERTAIN QUESTIONS OF THE THEORY OF DETECTION OF SINGLE PULSES. 14 Jan 66, 18p, 8refs.
FTD-MT-65-62; AD-635 852.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 852

Edited machine trans. of Korablestroitelnyi Institut, Leningrad. Trudy (USSR) v36 p121-33 1962.

F. Telemetry

TT-66-31390 Field 9F, 9B

Didyk, B. S.
FREQUENCY AND FREQUENCY-TIME SYSTEMS OF DIGITAL TELEMETERING. 7 Apr 66, 33p, 39refs.
JPRS-34952.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-31390

Trans. of mono. Chastotnye i Chastotno-Vremennye Sistemy Diskretnogo Telezmereniya, Kiev, 1965 p2-17, 84-97.

TT-66-60994 Field 9F, 20H

Bragin, A. A.; Fedoriv, R. F.
A UNIFIED MULTICHANNEL TELEMETERING SYSTEM FOR THE STUDY OF NUCLEAR RADIATIONS. 17 Mar 66, 8p, 4refs. FTD-TT-65-1889; AD-630 996.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-630 996

Unedited rough draft trans. of Voprosy Peredachi Informatsii (USSR) n3 p118-21 1964.

10 ENERGY CONVERSION (NON-PROPULSIVE)

C. Energy storage

TT-66-61584 Field 10C

Gliberman, A. Ya.; Zaitseva, A. K.
SILICON SOLAR BATTERIES (Kremnievye Solnechnye Batarei). 19 Jan 66, 84p. FTD-MT-64-204; AD-634 810.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-634 810

Edited machine trans. of Massovaya Radio Biblioteka (USSR) v396 72p 1961.

11 MATERIALS

A. Adhesives and seals

TT-66-60330 Field 11A

Fetisov, T.
GLUES FROM SYNTHETICS. 21 Dec 65, 11p.
FTD-TT-65-1329; AD-626 960.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-626 960

Unedited rough draft trans. of Nedelaya (USSR) 1964 p16 19 Dec.

B. Ceramics, refractories and glasses

TT-66-30345 Field 11B, 11F

Samsonov, G. V., ed.
STUDIES IN DIFFUSION COATINGS OF METALS.
26 Jan 66, 33p, 50refs. JPRS-33902.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-30345

Trans. of mono. Diffuzionnye Pokrytiya na Metallakh, Kiev, 1965, p109-15, 120-42.

TT-66-32777 Field 11B, 20F, 5A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 33. 7 Jul 66, 22p. JPRS-36345.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32777

TT-66-61303 Field 11B

Vasilev, L. L.; Fraiman, I. E.
INVESTIGATION OF THE THERMOPHYSICAL PROPERTIES OF CHAMOTTE CERAMICS IN THE 80-1200K RANGE. 1966, 6p, 13refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61303

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v9 n6 p762-7 1965.

E. Fibers and textiles

TT-66-60471 Field 11E, 11B

Sorochishin, A. G.
FIBER GLASS. Dec 65, 174p, 26refs.
FSTC-381-T65-693; AD-627 694.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as AD-627 694

Trans. of mono. Stekloplastiki, Moscow, 1964 p3-251.

F. Metallurgy and metallography

TT-66-11987 Field 11F

Gerold, V.
THE HEAT TONE IN THE STRAIN-HARDENING STATE OF ALUMINUM-ZINC ALLOYS. 19p, 17refs. ORNL-tr-634.
Order from SLA: $1.60 as TT-66-11987

Trans. of Zeitschrift fuer Metallkunde (West Germany) v54 n5 p257-62 1963.

TT-66-32605 Field 11F, 13H

USSR SCIENTIFIC ABSTRACTS: METALS AND METALLURGY NO. 32. 24 Jun 66, 88p. JPRS-36171.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32605

TT-66-32878 Field 11F, 8G

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 3. 12 Jul 66, 29p. JPRS-36446.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32878

TT-66-32895 Field 11F, 11B, 11H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 2. 13 Jul 66, 121p. JPRS-36463.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-32895

TT-66-33039 Field 11F

USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 5. 21 Jul 66, 31p. JPRS-36608.
Order from CFSTI of ETC: HC$2.00, MF$0.50 as TT-66-33039

TT-66-33077 Field 11F, 13H

EAST EUROPEAN SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 1. 25 Jul 66, 69p. JPRS-36646.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33077

TT-66-33149 Field 11F

Nedokha, I. M.; Chernyi, V. G.
NIOBIUM -- METAL OF THE SPACE AGE. 28 Jul 66, 39p, refs. JPRS-36718.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33149

Trans. from Niobii -- Metall Kosmicheskoi Ery, Kiev, 1965.

TT-66-60990 Field 11F

Prazak, M.; Spanily, J.
CORROSION STUDY. XXIV. THE INFLUENCE OF TEMPERATURE ON THE PASSIVATION CHARACTERISTICS OF STAINLESS STEELS. 17 Mar 66, 15p, 23refs. FTD-TT-65-1223; AD-630 974.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-630 974

Edited trans. of mono. Korrosionsstudium XXIV. Einfluss der Temperatur auf die Passivierungs-Charakteristik Korrosionsbestandiger Stahle, n.p., 1960 p2828-37.

TT-66-61189 Field 11F

Svechnikov, V. N.; Pan, V. M.; Korobeinikova, V. G.
STRUCTURAL DIAGRAM OF NIOBIUM-NICKEL SYSTEM. 30 Mar 66, 18p, 12refs. FTD-TT-65-1489; AD-632 071.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 071

Unedited rough draft trans. of Akademiya Nauk URSR, Kiev. Instytut Metallofizyky. Sbornik Nauchnykh Rabot, n19 p196-205 1964.

TT-66-61202 Field 11F, 20M

Lomov, A. L.; Krestovnikov, A. N.
INVESTIGATION OF THE THERMODYNAMIC PROPERTIES OF THE TERNARY METALLIC SYSTEM Bi-Cu-Sb AT THE SECTION NBi:NSb = 1 : 1 BY THE METHOD OF EMF. 29 Apr 66, 11p, 3refs. FTD-TT-65-1849; AD-632 291.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 291

Unedited rough draft trans. of Zhurnal Prikladnoi Khimii (USSR) v38 n1 p188-92 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61587 Field 11F, 7D

Gudkova, K. V.; Taganov, K. I.; Shlepkova, Z. I.
NEW CAPABILITIES OF SPECTRAL ANALYSIS OF METALS AND ALLOYS WITH THE USE OF PRELIMINARY BATCHING BY CONTACT SPARK DISCHARGE. 20 Jan 66, 12p, 13refs. FTD-TT-65-1483; AD-634 813.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 813

Unedited rough draft trans. of Trudy po Khimii i Khimicheskoi Tekhnologii (USSR) n1 p26-30 1963.

TT-66-61594 Field 11F

Savitskii, E. M.; Zakharov, A. M.
MECHANICAL PROPERTIES OF ALLOYS OF THE QUARTERNARY SYSTEM Nb-W-Mo-Zr AT TEMPERATURES OF 1000 - 1600C. 21 Jan 66, 22p, 7refs. FTD-TT-65-1471; AD-634 834.
Order from CFSTI or ETC: HC $3.00 MF$0.50 as AD-634 834

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya, v8 n1 p104-9 1965.

H. Oils, lubricants, and hydraulic fluids

TT-66-61413 Field 11H, 20D

Trifonov, L. M.
STUDYING THE MOVEMENT OF A LIQUID IN A JET TUBE. 17 Mar 66, 18p, 7refs. FTD-TT-65-1407; AD-633 699.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 699

Unedited rough draft trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) n233 p77-84 1964.

TT-66-61654 Field 11H

Rubtsov, Z. S.; Sentyurikhina, L. N.
MOLYBDENUM DISULFIDE-BASE SOLID LUBIRCANTS. 11 May 66, 11p, 9refs. ATD-66-52; AD-634 791.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 791

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) n11 p41-5 1965.
Rept. on Surveys of Foreign Scientific and Technical Literature.

TT-66-61797 Field 11H

Kobzova, R. L.; Tubyanskaya, G. S.
STABILIZATION OF POLYSILOXANES BY ANTIOXIDANT ADDITIVES. 25 May 66, 12p, 12refs. FTD-TT-66-1845; AD-635 838.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 838

Unedited rought draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) n9 p53-6 1964.

I. Plastics

TT-66-60952 Field 11I, 13H

Barkalov, I. M.; Goldanskii, V. I.; Dzantiev, B. G.; Egorov, E. V.
WELDING OF TEFLON AND OTHER ORGANIC MATERIALS. Jan 66, 12p, 8refs. FSTC-HT-23-23-66; AD-630 847.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-630 847

Trans. of mono. Vsesoyuznaya Soveshchaniya po Radiotsionnoi Khimii (no. 2). Trudy (USSR) 1962 p616-20.

TT-66-61096 Field 11I, 7C, 7D

Nikitina, V. I.; Maklakov, A. I.
POLYMERS CONSISTING OF AROMATIC RINGS CONJUGATED WITH HETEROATOMS. 30 Mar 66, 12p, 10refs. FTD-TT-65-1355; AD-631 567.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-631 567

Unedited rough draft trans. of mono. Vysokomolekulyarnye Soedineniya; Geterotsepnye Vysokomolekulyarnye, Moscow, 1963 p87-90.

TT-66-61706 Field 11I, 11B

Gumenyuk, V. S.; Kritsuk, A. A.; Lositskii, V. I.
INFLUENCE OF TEMPERATURE ON THE MECHANICAL PROPERTIES OF VITREO-PLASTICS. 1966, 5p.
Order from CFSTI, SLA, or ETC: HC$1.10, MF$0.50 as TT-66-61706

Trans. of Prikladnaya Mekhanika (USSR) v1 n6 p92-6 1965.

J. Rubbers

TT-66-60378 Field 11J

Bilalov, Ya. M.; Koshelev, F. F.; Lezhnev, N. N.; Yampolskii, B. Ya.
THE USE OF POLYETHYLENE IN RUBBER COMPOUNDS (AND) STUDY OF THE EFFECT OF CARBON-BLACK STRUCTURES ON THE REINFORCEMENT OF RUBBER IN MODEL SYSTEMS. 21 Dec 65, 24p, 15refs. FTD-TT-65-1229; AD-627 124.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 124

Unedited rough draft trans. of Kauchuk i Rezina (USSR) v24 n2 p10-2, 16-9 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.
Another trans. of (p10-2) is available from TC: $6.00 as TC-1125.

12 MATHEMATICAL SCIENCES

TT-66-32900 Field 12-, 5I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 38. 13 Jul 66, 21p. JPRS-36468.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32900

A. Mathematics and statistics

TT-66-11993 Field 12A

Stiefel, E.
OLD AND NEW IDEAS ON NUMERICAL QUADRATURE (Altes und Neues ueber Numerische Quadratur).
Tr. by M. I. Weinreich. 12 Apr 66, 13p, 4refs.
SC-T-66-0726.
Order from SLA: $1.60 as TT-66-11993

Trans. of Zeitschrift fuer Angewandte Mathematik und Mechanik (Germany) v41 n10/11 p408-13 1961.

TT-66-33000 Field 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 39. 19 Jul 66, 34p. JPRS-36569.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33000

TT-66-60903 Field 12A, 4B

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Tr. by David Kraus. Jan 66, 23p, 8refs.
AmMetSoc-T-R-521; AD-630 669.
Order from CFSTI, SLA, or ETC: HC$1.00, MF$0.50 as AD-630 669

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TT-66-61200 Field 12A, 20K

Mikeladze, M. Sh.
NUMERICAL SOLUTION OF A SYSTEM OF DIFFERENTIAL EQUATIONS APPLICATION OF THE METHOD TO THE CALCULATION OF A ROTATION SHELL. 29 Apr 66, 12p, 7refs. FTD-TT-65-1429; AD-632 286.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 286

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B. Operations research

TT-66-32719 Field 12B, 6D

Akchurin, I. A.; Vedenov, M. F.; Sachkov, Yu. V.
METHODOLOGICAL PROBLEMS OF MATHEMATICAL MODELING IN NATURAL SCIENCE. 30 Jun 66, 17p. JPRS-36287.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32719
Trans. of Voprosy Filosofii (USSR) n4 p64-75 1966.

TT-66-61197 Field 12B, 9C

Cheprasov, V. P.
ON ONE PROBLEM OF THE SYNTHESIS OF OPTIMUM CONTROL WITH LIMITATIONS PLACED ON PHASE COORDINATES AND THE RATE OF CHANGE OF THE CONTROLLING ACTION. 28 Jan 66, 19p, 12refs.
FTD-MT-64-315; AD-632 260.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 260

Edited machine trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) v75 p91-101 1963.

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

TT-66-32609 Field 13A

USSR INDUSTRIAL DEVELOPMENT: SOVIET POWER MACHINERY NO. 44. Damage to Screen Tubes in Tp-87 Boilers. 24 Jun 66, 4p. JPRS-36175.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32609

TT-66-32899 Field 13A, 13J

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 35. 13 Jul 66, 15p. JPRS-36467.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32899

TT-66-60824 Field 13A, 21G

Shikhov, V.
A CATALYTIC HEATER AND HOW TO MAKE IT. May 65, 7p. FSTC-381-T64-237; AD-463 813.
Order from CFSTI or ETC: HC$1.10 as AD-463 813

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TT-66-61103 Field 13A, 20M

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SOME DATA ON THE EFFECT OF ADDED OXYGEN ON HEAT EMISSION AS SODIUM FLOWS THROUGH A COOLED PIPE. 23 Mar 66, 12p, 8refs.
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TT-66-61673 Field 13A

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CE-Trans-3572.
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B. Civil engineering

TT-66-32373 Field 13B, 2D, 6H, 5K

CUBA: TRANSLATIONS NO. 431. 10 Jun 66, 23p. JPRS-35939.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32373

TT-66-32628 Field 13B, 8I, 13L, 6J

Ksenofontova, A. I.; Burchakov, A. S.
THEORY AND PRACTICE OF DUST CONTROL IN COAL MINES. 27 Jun 66, 16p. JPRS-36195.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32628

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TT-66-32880 Field 13B, 13M

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 34. Chinese Journal of Civil Engineering. 12 Jul 66, 16p. JPRS-36448.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32880

TT-66-33091 Field 13B, 13M

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 37. Chinese Journal of Civil Engineering -- Engineering Structures. 25 Jul 1966, 14p. JPRS-36660.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33091

TT-66-51040/6 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 25, NO. 6, 1965. Hygiene effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1965, 31p, refs. SFCSI-HEW(TT-66-51040/6).
Order from CFSTI: $2.00 as TT-66-51040/6

Trans. of technical articles and patent sections from Staub (West Germany) v25 n6 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51040/7 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 25, NO. 7, 1965. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1965, 34p, refs. SFCSI-HEW(TT-66-51040/7).
Order from CFSTI: $2.00 as TT-66-51040/7

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-51159/3 Field 13B, 18H

STAUB REINHALTUNG DER LUFT IN ENGLISH, VOL. 26, NO. 3, 1966. Hygiene Effects and Control of Dusts, Fogs, Gases, Vapors, Radioactive Particles. Tr. by D. Ben-Yaakov. 1966, 50p, refs. SFCSI-HEW(TT-66-51159/3). Order from CFSTI: $2.00 as TT-66-51159/3

Trans. of technical articles and patent sections from Staub (West Germany) v26 n3 1966.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61513 Field 13B, 5I, 6T, 6E

Levine, B. S.
U.S.S.R. LITERATURE ON WATER SUPPLY AND POLLUTION CONTROL, VOL. 8. Sanitary Protection of Natural Water Basins Against Pollution with Industrial Waste Water (Maximal Allowable Concentrations of Harmful Substances in Water Basins). 1966, 223p, refs. Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-61513

Trans. of mono. Sanitarnaya Okhrana Vodoemov ot Zagrazneniya Promyshlennymi Stochnymi Vodami (Predelno Dopustimye Kontsentratsii Vrednykh Veshchestv Stochnykh vod Proizvodstv Sinteticheskikh Volokon i Yadokhimikov), n.p., n.d.

C. Construction equipment, materials and supplies

TT-66-32658 Field 13C

USSR INDUSTRIAL DEVELOPMENT: SOVIET CONSTRUCTION MACHINERY NO. 98. 28 Jun 66, 28p. JPRS-36225.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32658

TT-66-32783 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 2. 7 Jul 66, 43p. JPRS-36351.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32783

TT-66-33082 Field 13C, 13M

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 5. 25 Jul 66, 19p. JPRS-36651.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33082

TT-66-33247 Field 13C, 9B

Vasilev, V. S.; Tokarev, D.
ACTIVITIES OF THE COMPUTER CENTER BY THE BULGARIAN CONSTRUCTION INDUSTRY. 3 Aug 66, 8p. JPRS-36817.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33247

Trans. of Ikonomicheski Zhivot (Bulgaria) n5 p10 1966.

D. Containers and packaging

TT-66-11992 Field 13D

Schricker, G.
EXCERPTS FROM THE PROCEEDINGS OF THE THIRD INTERNATIONAL RESEARCH SYMPOSIUM OF THE PACKAGING INSTITUTES IN STOCKHOLM, 16 - 18 SEPTEMBER 1964 (Drittes Internationales Forschungssymposium der Verpackungsinstitute vom 16. bis 18. September 1964 in Stockholm, Sweden). Tr. by M. I. Weinreich. 3 Feb 66, 9p. SC-T-66-0713.
Order from SLA: $1.10 as TT-66-11992

Trans. of Verpackungsrundschau (West Germany) v15 n12 p93-5 1964.

TT-66-12637 Field 13D, 11I

Binder, G.
DISPOSABLE BOTTLES OF PVC. 19p, 6refs.
Order from SLA: $1.60 as TT-66-12637

Trans. of Verpackungsrundschau (West Germany) v17 n4 p418-26 1966.

F. Ground transportation equipment

TT-66-32607 Field 13F, 13I

USSR INDUSTRIAL DEVELOPMENT: SOVIET AUTOMOTIVE INDUSTRY NO. 130. A New Planning System at the 4th State Bearing Plant. 24 Jun 66, 4p. JPRS-36173.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32607

TT-66-32849 Field 13F, 13M, 11E

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 453. 11 Jul 66, 82p. JPRS-36417.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32849

TT-66-32877 Field 13F

USSR TRANSPORTATION: TRANSLATIONS NO. 121. 12 Jul 66, 14p. JPRS-36445.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32877

TT-66-32891 Field 13F, 13J, 2C

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 280. 13 Jul 66, 44p. JPRS-36459.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32891

TT-66-32954 Field 13F, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 455. 15 Jul 66, 52p. JPRS-36522.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-32954

TT-66-33008 Field 13F, 1E

USSR TRANSPORTATION: TRANSLATIONS NO. 122. 19 Jul 66, 49p. JPRS-36577.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33008

TT-66-33009 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 1. 19 Jul 66, 14p. JPRS-36578.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33009

TT-66-33026 Field 13F

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 2. 20 Jul 66, 12p. JPRS-36595.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33026

TT-66-33271 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 5. 4 Aug 66, 15p. JPRS-36841.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33271

TT-66-33287 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 6. 4 Aug 66, 25p. JPRS-36857.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33287

TT-66-60961 Field 13F

Golovkin, M. P.
ELECTRIC BATTERY STACKER ESH-182. Mar 66, 9p. FSTC-HT-23-49-66; AD-630 856.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-630 856

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G. Hydraulic and pneumatic equipment

TT-66-61512 Field 13G

Lemberg, M. D.
HYDRAULIC AUTOMATION SYSTEMS. Tr. by Lloyd G. Robbins. Jun 66, 115p, 25refs. Bushps-Trans-984; AD-634 397.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as AD-634 397

Trans. of mono. Sistemy Gidroavtomatiki, Leningrad/Moscow, 1965.

H. Industrial processes

TT-66-32587 Field 13H, 9B, 6D

Glushkov, V. M.
CYBERNETICS IN INDUSTRY. 23 Jun 66, 6p. JPRS-36153.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32587

Trans. from Trud, Moscow (USSR) 25 May p4 1966.

TT-66-32741 Field 13H, 13B

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 1. 6 Jul 66, 14p. JPRS-36309.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32741

TT-66-32990 Field 13H, 13A

EAST EUROPEAN SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 21. 19 Jul 66, 27p. JPRS-36559.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32990

TT-66-60376 Field 13H

Andreev, Yu. G.; Zakharov, E. K.; Kidin, I. N.; Lizunov, V. L.; Maksimova, O. V.
HEAT TREATMENT OF HIGH STRENGTH STEELS WITH THE USE OF ELECTRICAL HEATING. 4 Jan 66, 12p, 5refs. FTD-TT-65-1472; AD-627 121.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 121

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TT-66-61042 Field 13H, 11F

Petrov, G. L.; Shchipkov, M. D.; Lebedev, A. L.; Yazykov, A. S.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 213

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TT-66-61852 Field 13H

Gardam, G. E.; Booth, F.; Gunn, K. W.; Collins, D. L. W.; Evans, D. W.
EXTRUSION OF AlMgSi--ALLOYS (Strangpressen von AlMgSi--Legierungen). Jul 66, 40p, 16refs. ERDL-T-1851-66; AD-636 191.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-636 191

Trans. of Aluminium (West Germany) n4 p207-21 1962. Repts. made at the colloquium by the ALCAN S.A. at Bad Homburg v.f.H. held on 6-7 Feb 62.

I. Machinery and tools

TT-66-32539 Field 13I

USSR INDUSTRIAL DEVELOPMENT: SOVIET METAL-WORKING EQUIPMENT NO. 193. 21 Jun 66, 19p. JPRS-36105.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32539

TT-66-32763 Field 13I

USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 195. 6 Jul 66, 11p. JPRS-36331.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32763

TT-66-32768 Field 13I

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 278. 7 Jul 66, 32p. JPRS-36336.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32768

TT-66-32856 Field 13I, 13G, 13H

EAST EUROPEAN HEAVY INDUSTRY: TRANSLATIONS NO. 279. 12 Jul 66, 16p. JPRS-36424.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32856

TT-66-32867 Field 13I

USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 197. 12 Jul 66, 23p. JPRS-36435.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32867

TT-66-33035 Field 13I

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 36. Shanghai Machinery. 21 Jul 66, 19p. JPRS-36604.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33035

TT-66-33272 Field 13I

USSR INDUSTRIAL DEVELOPMENT: METALWORKING EQUIPMENT NO. 199. 4 Aug 66, 9p. JPRS-36842.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33272

TT-66-61402 Field 13I, 11F

Poznyak, L. A.; Rogalev, A. M.
EXTRUSION STEEL AND FIELD OF THEIR APPLICATION. 17 Mar 66, 17p, 10refs. FTD-TT-65-1417; AD-633 664.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 664

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J. Marine engineering

TT-66-32566 Field 13J, 13B, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 450. 23 Jun 66, 61p. JPRS-36132.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32566.

TT-66-32614 Field 13J

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 451. 24 Jun 66, 30p, 9refs. JPRS-36180.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32614

TT-66-32657 Field 13J, 13F, 1C

SOVIET TRANSPORTATION: TRANSLATIONS NO. 118. 28 Jun 66, 43p. JPRS-36224.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32657

TT-66-60103 Field 13J, 11I

Pazin, G. M.; Smirnov, B. I.
PLASTIC MARINE FITTINGS. 1965, 54p. Trans-2037; AD-625 614.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as AD-625 614

Partial trans of Unidentified mono., Leningrad, 1965 240p.

TT-66-60479 Field 13J, 11I

Braslevskii, A. N.; Perepelkina, M. D.; Sedina, E. M.
SOVIET USE OF PLASTICS IN SHIPBUILDING (Izpolzvanie Plasticheskikh Mass v Sovetskom). 1964, 96p, 18refs. Trans-1054; AD-627 803.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-627 803

Trans. of Sudostroenie (USSR) v30 n8 p9-49 1964.

TT-66-60932 Field 13J, 21E

Kurzon, A. G.
BASIC RESULTS OF TESTING THE FIRST SOVIET GAS TURBINE INSTALLATION (GTU-20) FOR OCEANGOING SHIP (Osnovnye Rezultaty Ispytanii Pervoi Otchestvennoi Gazoturbinnoi Ustanovki (GTU-20) dlya Morskikh Sudov). 1966, 40p. Trans-2030; AD-630 742.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-630 742

Trans. of Sudostroenie (USSR) v31 n7 p22-36 1965.

TT-66-61118 Field 13J, 11F

Efremov, G.
THE PROSPECTS FOR USING ALUMINUM ALLOYS IN RIVER SHIP CONSTRUCTION. 1966, 6p. Trans-947; AD-631 681.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-631 681

Trans. of Rechnoi Transport (USSR) v20 p26-8 n10 1961.

TT-66-61209 Field 13J

Nogid, L. M.
DESIGNING OF SEA-GOING VESSELS. PART 1: METHODOLOGY FOR DETERMINING THE ELEMENTS OF A VESSEL BEING DESIGNED. Jan 66, 170p. Trans-964; AD-632 341.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as AD-632 341

Trans. of mono. Proektirovanie Morskikh Sudov, Leningrad, 1964 p22-170.

TT-66-61221 Field 13J

Goshev, G. A.
LIFTING LINE THEORY OF A HYDROFOIL OF ARBITRARY SHAPE MOVING IN SHALLOW WATER (Teoriya Nesushchell Linii Podvodnogo Kryla Proizbolnoi Formy na Melkovodye). Tr. by Alick de Montmorency. Jan 66, 14p, 2refs. BuShips-Trans-966; AD-632 460.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 460

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n3 p29-38 1964.

TT-66-61238 Field 13J, 11I

Razdrogin, Yu. V.
SECURING MACHINERY IN PLASTIC VESSELS. Tr. by Alick de Montmorency. Mar 66, 148p, 11refs. BuShips-Trans-963; AD-632 604.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as AD-632 604

Trans. of mono. Kreplenie Mekhanizmov na Sudah iz Plastmass, Leningrad, 1965.

TT-66-61256 Field 13J, 13H

Stepanov, V. M.
PROTECTION OF SHIPS' HULLS AGAINST CORROSION. Tr. by S. N. Goldstein. 1966, 10p. Trans-953; AD-632 837.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as AD-632 837

Trans. of Morskoi Sbornik (USSR) n4 p65-71 1961.

M. Structural engineering

TT-66-33028 Field 13M, 13F, 13J, 13B

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 456. 20 Jul 66, 41p. JPRS-36597.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-33028

TT-66-60469 Field 13M, 8M

Bratsev, L. A.
THEORY AND PRACTICE OF FROZEN EARTHWORKING IN CONSTRUCTION. Dec 65, 64p. FSTC-381-T65-643; AD-627 692.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-627 692

Trans. of Unidentified mono., Moscow, 1965 p74-117, 171-81.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-65-30580 Field 14B

IZVESTIYA VUZOV: INSTRUMENT BUILDING, VOL. VII, NO. 6, 1964. 24 Mar 65, 165p, 65refs. JPRS-29269.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-65-30580

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v7 n6 p3-124 1964.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-65-31494 Field 14B

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS: INSTRUMENT BUILDING, VOL. 8, NO. 2, 1965. 9 Jul 65, 179p, 73refs. JPRS-30996.
Order from CFSTI or ETC: HC$5.00, MF$1.25 as TT-65-31494

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v8 n2 145p 1965.

TT-66-32916 Field 14B, 8C, 8J

Borisov, N. D.
BATHYTHERMOGRAPH ACCURACY INDEXES. 14 Jul 66, 16p, 4refs. JPRS-36484.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32916

Trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) v87 p174-83 1965.

TT-66-32917 Field 14B, 9B, 8C

Musyakov, L. A.
CHECKING AUTOMATIC POTENTIOMETERS. 14 Jul 66, 13p, 6refs. JPRS-36485.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32917

Trans. of Gosudarstvennyi Okeanograficheskii Institut. Trudy (USSR) v87 p166-73 1965.

TT-66-33012 Field 14B, 13J, 20K, 13H, 13C, 21B

USSR SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 25. 19 Jul 66, 210p. JPRS-36581.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-33012

TT-66-60312 Field 14B

Artyukhovska, L. M.; Kremenchugskii, L. S.; Malnev, A. F.; Roitsina, O. V.
EFFECT OF RECEIVING SURFACE DIMENSIONS ON THE BASIC CHARACTERISTICS OF METALLIC VACUUM BOLOMETERS. 6 Jan 66, 13p, 6refs. FTD-TT-65-922; AD-626 954.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-626 954

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15 MILITARY SCIENCES

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32210

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32840

TT-66-32866 Field 15-

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TT-66-32903 Field 15-

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SOVIET MILITARY TRANSLATIONS NO. 293. 20 Jul 66, 38p. JPRS-36591.
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TT-66-33080 Field 15-

SOVIET MILITARY TRANSLATIONS NO. 294. 25 Jul 66, 88p. JPRS-36649.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33080

TT-66-33191 Field 15-

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Order from CFSTI or ETC$ HC$1.00, MF$0.50 as TT-66-33191

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33302

C. Defense

TT-66-32918 Field 15C

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32918

TT-66-33279 Field 15C, 5I, 13I

NORTH VIETNAM: TRANSLATIONS NO. 14. 4 Aug 66, 16p. JPRS-36849.
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TT-66-60970 Field 15C

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Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-634 377

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D. Intelligence

TT-66-32935 Field 15D, 15G, 17B, 17D

MILITARY INFORMATION ON EASTERN EUROPE NO. 136. 15 Jul 66, 36p. JPRS-36503.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-32935

E. Logistics

TT-66-32951 Field 15E, 5I

MILITARY INFORMATION ON EASTERN EUROPE NO. 137. 15 Jul 66, 16p. JPRS-36519.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32951

G. Operations, strategy, and tactics

TT-66-32923 Field 15G, 5I

SOVIET MILITARY TRANSLATIONS NO. 291. 14 Jul 66, 54p. JPRS-36491.
Order from CFSTI or ETC: HC$3.00, MF$0.50 as TT-66-32923

TT-66-33161 Field 15G, 5D

SOVIET MILITARY TRANSLATIONS NO. 296. Excerpts From Soviet Book on History of Military Art. 29 Jul 66, 125p. JPRS-36730.
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16 MISSILE TECHNOLOGY

C. Missile warheads and fuses

TT-66-60391 Field 16C, 19A

Dorofeev, A. N.
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Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-627 246

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D. Missiles

TT-66-60969 Field 16D

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17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

B. Communications

TT-65-32053 Field 17B

PROBLEMS IN INFORMATION TRANSMISSION, VOL. 1, NO. 1 1965. 16 Aug 65, 96p, 64refs. JPRS-31557.
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Order from SLA: $1.60 as TT-66-12585

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Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-66-30096

TT-66-32721 Field 17B, 9B, 6D

RECOGNITION OF THE HUMAN VOICE BY THE COMPUTER. 30 Jun 66, 5p. JPRS-36289.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32721

Trans. from Borba (Yugoslavia) 16 Jun p8 1966.

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TT-66-33190 Field 17B, 5I

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-33190

TT-66-61195 Field 17B, 22B, 9C

Dareckiego, S.
SATELLITE RADIO COMMUNICATIONS. 17 Feb 66, 261p, 94refs. FTD-TT-65-109; AD-632 243.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as AD-632 243

Edited trans. of mono. Radiokomunikacia Satelitarna, Warsaw, 1964 159p.

C. Direction finding

TT-66-60470 Field 17C

Nikolaev, A. G.; Pertsov, S. V.
PASSIVE RADAR. Dec 65, 27p. FSTC-381-T65-681; AD-627 693.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-627 693

Trans. of mono. Passivnaya Radiolokatsiya, n.p., 1964 p147-71.

G. Navigation and guidance

TT-66-32872 Field 17G, 1D

NAVIGATIONAL AIDS IN SOVIET CIVIL AVIATION. 12 Jul 66, 6p. JPRS-36440.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32872

Trans. of Grazhdanskaya Aviatsiya (USSR) v23 n3 p22-3 1966.

TT-66-61203 Field 17G, 1D

Komraz, L. A.
ON THE DYNAMICS OF AN AUTOMATIC COURSE SYSTEM. 29 Apr 66, 16p, 2refs. FTD-TT-65-1784; AD-632 308.
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I. Radar detection

TT-66-61577 Field 17I, 4B

BWR: X12 GROUND WEATHER RECONNAISSANCE RADAR. Jun 66, 14p. FSTC-HT-23-105-66; AD-634 795.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 795

Trans. of mono. Nazemnaya Radiolokatsionnaya Stantsiya dlya Razvedki Pogody, n.p., n.d.

18 NUCLEAR SCIENCE AND TECHNOLOGY

TT-65-63931 Field 18-

ATOMIC ENERGY, VOL. 17, NO. 3, 1964: SELECTED ARTICLES. 28 Jun 65, 44p. FTD-TT-65-162; AD-621 006.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-621 006

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TT-66-30807 Field 18-

Cheng I-shan, comp.
COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 295. Atomic Physics. 2 Mar 66, 9p. JPRS-34367.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-30807

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TT-66-32978 Field 18-

Razus, M. T.
DEVELOPMENTS IN NUCLEAR SCIENCE IN RUMANIA. 18 Jul 66, 12p. JPRS-36546.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-32978

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A. Fusion devices (Thermonuclear)

TT-66-31172 Field 18A, 5A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 303. 25 Mar 66, 15p. JPRS-34733.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-31172

B. Isotopes

TT-65-50103/2 Field 18B, 13C, 6E, 6R, 6H

Petrov, N. A.; Petrenko, L. I.; Savitskii, P. S.
THE USES OF RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION IN THE U.S.S.R.: VOL. 2, CONSTRUCTION AND BUILDING-MATERIALS INDUSTRY, LIGHT INDUSTRY, FOOD INDUSTRY AND AGRICULTURE, MEDICINE. 1966, 273p. SFCSI-AEC(TT-65-50103/2); AEC-tr-6466/2.
Order from CFSTI: $6.00 as AEC-tr-6466/2

Trans. of mono. Radioaktivnye Izotopy i Yadernye Isiucheniya v Narodnom Khozyaistve SSSR, v2, Moscow, 1961.
Proceeding of the All-Union Conference held in Riga 12-16 Apr 1960.

C. Nuclear explosions

TT-66-32929 Field 18C

COMMUNIST CHINA: SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 329. Construction of Atomic Industry and Explosion of Nuclear Bombs in Communist China. 14 Jul 66, 127p. JPRS-36497.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-32929

19 ORDNANCE

A. Ammunition, explosives, and pyrotechnics

TT-66-61514 Field 19A, 8I

PRIMERS AND EXPLOSIVES. Jun 66, 19p, 4refs. FSTC-HT-23-110-66; AD-634 414.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 414

Trans. of Vzryvnoe Delo (USSR) n55 p136-9, 93-7, 132-5 1964.

20 PHYSICS

TT-66-32795 Field 20-, 12-

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 67. 7 Jul 66, 167p. JPRS-36363.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-32795

TT-66-32796 Field 20-, 12-

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 68. 7 Jul 66, 207p. JPRS-36364.
Order from CFSTI or ETC: HC$6.00, MF$1.25 as TT-66-32796

TT-66-32888 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 69. 18 Jul 66, 188p. JPRS-36456.
Order from CFSTI or ETC: HC$5.00, MF$1.00 as TT-66-32888

TT-66-32897 Field 20-, 12A

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 68. 13 Jul 66, 143p. JPRS-36465.
Order from CFSTI or ETC: HC$4.00, MF$1.00 as TT-66-32897

B. Crystallography

TT-66-61713 Field 20B

Khirich, I. I.
THERMOELECTRIC AND GALVANOMAGNETIC PROPERTIES OF BI-SB SINGLE CRYSTALS. 1966, 4p, 10refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61713

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TT-66-61772 Field 20B

Kourilo, J. J.
ULTRAHIGH PRESSURE STUDIES AND CRYSTAL GROWTH TECHNIQUES. 17 May 66, 64p, 84refs. ATD-66-56; AD-635 495.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-635 495

Rept. on Surveys of Foreign Scientific and Technical Literature.

C. Electricity and magnetism

TT-66-32991 Field 20C, 11F, 20L, 18

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 69. 19 Jul 66, 60p. JPRS-36560.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-32991

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Nekrashevich, I. G.; Bakuta, I. A.
MECHANICAL IMPULSE TRANSMITTED TO ELECTRODES IN ELECTRIC DISCHARGE BETWEEN BIMETALLIC ELECTRODES. 6 Jan 66, 8p, 4refs.
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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 004

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TT-66-60400 Field 20C, 19D, 20D

Zenin, V. N.; Mits, V. N.
ELECTROMAGNETIC RADIATION PRODUCED IN THE DETONATION OF INDUSTRIAL EXPLOSIVES (Elektromagnitoie Izluchenie pri Vzryve Promyshlennykh vv).
Tr. by William A. Sanders. 1965, 58p, 3refs.
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Order from CFSTI or ETC: HC$3.00, MF$0.50 as AD-627 254

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TT-66-61206 Field 20C, 10A

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ELECTRON AND ION EMISSION OF CERTAIN MATERIALS IN CONNECTION WITH THEIR UTILIZATION IN A THERMO-ELECTRON ENERGY TRANSFORMER.
29 Apr 66, 8p, 3refs. FTD-TT-65-1614; AD-632 312.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 312

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D. Fluid mechanics

TT-66-60309 Field 20D, 1A

Li Yu-Ch'ang.
SYMPOSIUM ON FLUID MECHANICS. 6 Jan 66, 5p.
FTD-TT-65-691; AD-626 951.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-626 951

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TT-66-60371 Field 20D, 20L, 20M, 1A

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Order from CFSTI or ETC: HC$3.00, MF$0.50 as AD-627 112

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For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-60935 Field 20D

Andriankin, E. I.; Kogan, A. M.; Kompaneiets, A. S.; Krainov, V. P.
PROPAGATION OF A STRONG DISCONTINUITY IN AN INHOMOGENEOUS ATMOSPHERE. Apr 66, 16p, 6refs.
PA-TT-6; AD-630 769.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-630 769

Trans. of Zhurnal Prikladnoi Mekhaniki Tekhnicheskoi Fiziki (USSR) n6 p3-7 1962.

TT-66-60968 Field 20D

Shalnev, K. K.
SCALE EFFECT OF CAVITATION EROSIN.
20 Jan 66, 23p, 23refs. FTD-TT-65-1577; AD-630 875.
Order from CFSTI or ETC: HC$2.60, MF$0.50 as AD-630 875

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 285

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TT-66-61579 Field 20D

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21 Mar 66, 345p, 24refs. FTD-MT-64-293; AD-634 805.
Order from CFSTI or ETC: HC$7.00, MF$1.75 as AD-634 805

Edited machine trans. of mono. Aerodinamika Razrezhennykh Gazov, Sbornik I, Leningrad, 1963 268p.

TT-66-61592 Field 20D

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Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 832

Edited machine trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v4 n3 p512-24 1964.

TT-66-61720 Field 20D, 21D, 20K

Svetlitskii, V. A.
VIBRATIONS OF FLEXIBLE HOSES FILLED WITH A MOVING FLUID (FUEL). 1966, 8p, 4refs.
Order from CFSTI or ETC: HC$1.10, MF$0.50 as TT-66-61720

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n3 p22-30 1966.

E. Masers and lasers

TT-66-61469 Field 20E, 20I

Askaryan, G. A.; Rabinovich, M. S.; Savachenko, M. M.; Smirnova, A. D.
DETECTION OF THE RAPID HALATION OF

PHOTOIONIZATION AND THE CLOUD OF CONCENTRATED LONG-LIFE IONIZATION RESULTING FROM THE SHOCK WAVE OF A SPARK IN A LASER BEAM (Obnaryzhenie Bystrogo Oreolo Fotoionizatsii i Obiala Kontsentrirovannoi Dolgozhivuschei Ionizatsii ot Udarnoi Volny Iskry v Luche Lazera). 1966, 4p, 4refs. Trans-2145; AD-634 161.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 161

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v1 n6 p18-23 1965.

TT-66-61808 Field 20E

Gintoft, R. I.; Sarzhevskii, A. M.
THE OUTPUT POWER AND DURATION OF GENERATION OF A RUBY OPTICAL QUANTUM GENERATOR AS A FUNCTION OF THE PUMPING. Tr. by L. J. Holtschlag. 21 Jun 66, 9p, 1ref. TG-230-T479; AD-635 889.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 889

Trans. of Akademiya Navuk BSSR, Minsk. Doklady, v9 n9 p578-80 1965.
Contract NOw-62-0604-c.

TT-66-61809 Field 20E

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CALCULATION OF A LASER MONOPULSE DURING INSTANTANEOUS SWITCH-IN OF AN INTERFEROMETER. Tr. by L. J. Holtschlag. 17 Jun 66, 12p, 8refs. TG-230-T473; AD-635 890.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 890

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Contract NOw-62-0604-c.

F. Optics

TT-66-60937 Field 20F, 7B

Bilenkii, B. F.; Pashkovskii, M. V.; Nosenko, A. E.; Grechukh, Z. G.
OPTICAL PROPERTIES OF MERCURY SULFIDE. 7 Mar 66, 9p, 14refs. TG-230-T463; AD-630 824.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-630 824

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TT-66-61585 Field 20F, 7D

Rebane, K.; Rebane, T.
ON THE THEORY OF RAMAN SCATTERING OF LIGHT BY A MOLECULE. 18 Feb 66, 18p, 16refs. FTD-MT-65-225; AD-634 811.
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TT-66-61806 Field 20F, 20E

Sotskii, B. A.; Goncharenko, A. M.
ON THE DIFFRACTION OF PARTIALLY COHERENT LIGHT. Tr. by L. J. Holtschlag. 23 Jun 66, 10p, 7refs. TG-230-T478; AD-635 879.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 879

Trans. of Akademiya Navuk BSSR, Minsk. Doklady, v8 n7 p438-40 1964.
Contract NOw-62-0604-c.

G. Particle accelerators

TT-66-31934 Field 20G, 4A

COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: TRANSLATIONS NO. 315. 13 May 66, 21p, refs. JPRS-35498.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as TT-66-31934

TT-66-61588 Field 20G

Starodubtsev, S. V.; Muminov, V. A.
ION SOURCE WITH LONGITUDINAL MAGNETIC FIELD. 20 Jan 66, 8p, 4refs. FTD-TT-65-1474; AD-634 814.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 814

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TT-65-30628 Field 20H, 8D, 4B

Miroshnichenko, L. L.; Saukov, A. A.; Batyaieva, T. F.; Sidochenko, T. V.
NATURE NO. 1, 1965: SELECTED TRANSLATIONS. 1 Apr 65, 48p. JPRS-29382; N65-20626.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as TT-65-30628

Trans. of Priroda (USSR) v54 n1 p12-34, 124-6 1965.

H. Particle physics

TT-66-32919 Field 20I, 20D, 7D, 18-, 20F, 12-

USSR SCIENFITIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 70. 14 Jul 66, 116p. JPRS-36487.
Order from CFSTI or ETC: HC$4.00, MF$0.75 as TT-66-32919

TT-66-60988 Field 20I

Chekalin, E. K.; Trukhin, V. I.; Lozinskaya, A. I.
INVESTIGATION OF THE MOTION OF A PLASMA IN A GAS-DISCHARGE TUBE EQUIPPED WITH COAXIAL ELECTRODES. 17 Mar 66, 24p, 5refs. FTD-TT-65-1890; AD-630 972.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-630 972

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I. Plasma physics

TT-66-61582 Field 20I

Krupnik, L. I.; Shulika, N. G.
INVESTIGATION OF PLASMA BY THE METHOD OF PROBING WITH BEAMS OF FAST PARTICLES. 16 Feb 66, 21p. FTD-MT-65-101; AD-634 808.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-634 808

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J. Quantum theory

TT-66-60997 Field 20J, 20H

Rudakov, V. S.
VARIATIONAL PRINCIPLE FOR THE ENERGY OF QUASISTATIONARY STATES. Tr. by L. J. Holtschlag. 10 Feb 66, 6p, 3refs. TG-230-T462; AD-631 013.
Order from CFSTI or ETC: HC$1.10, MF$0.50
as AD-631 013

Trans. of Leningrad Univ. Vestnik (USSR) v20 n16, Seriya Fiziki i Khimii n3 p138-9 1965.

TT-66-61101 Field 20J, 20H, 20F

Kristofel, N. N.
SELECTION RULES FOR NONADIABATIC TRANSITIONS. 23 Mar 66, 12p, 15refs. FTD-TT-65-1490; AD-631 579.
Order from CFSTI or ETC: HC$1.60, MF$0.50
as AD-631 579

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K. Solid mechanics

TT-65-31376 Field 20K, 20D

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Order from CFSTI or ETC: HC$6.00, MF$1.50
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TT-66-60900 Field 20K

Nikitin, V. M.
USE OF THE KERR EFFECT FOR STUDYING A STRESSED STATE OF THIN-WALLED STRUCTURES. Apr 66, 9p, 2refs. PA-TT-7; AD-630 650.
Order from CFSTI or ETC: HC$1.10, MF$0.50
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Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n2 p130-1 1963.

TT-66-61114 Field 20K, 12A, 13M

Sekhniashvili, E. A.
ENGINEERING METHOD OF CALCULATION OF ELASTIC SYSTEMS FOR FREE VIBRATIONS. 18 Jan 66, 356p, 76refs. FTD-MT-64-377; AD-631 654.
Order from CFSTI or ETC: HC$7.00, MF$1.75
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TT-66-61397 Field 20K

Shneiderovich, R. M.
FATIGUE DURING ELASTIC-PLASTIC DEFORMATION. 21 Jan 66, 28p, 19refs. FTD-TT-65-1413; AD-633 658.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61401 Field 20K, 12A

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CONDITIONS OF ASYMPTOTIC STABILITY IN THE CASE OF UNSTABLE MOTION AND AN EVALUATION OF THE RATE OF DECREASE OF THE GENERAL SOLUTION. 10 Mar 66, 34p, 6refs. RSIC-529; AD-633 662.
Order from CFSTI or ETC: HC$2.00, MF$0.50
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TT-66-61419 Field 20K

Kovalenko, A. D.
SLANTING SHELLS OF ROTATION OF VARIABLE THICKNESS IN SPATIAL TEMPERATURE FIELD. 21 Jan 66, 19p, 2refs. FTD-TT-65-1376; AD-633 817.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-633 817

Unedited rough draft trans. of Prykladna Mekhanika (USSR) v6 n3 p241-9 1960.

TT-66-61420 Field 20K

Grigorenko, Ya. M.
ANTISYMMETRICAL STRESSED STATE OF A CONICAL SHELL OF VARIABLE THICKNESS. 21 Jan 66, 15p, 9refs. FTD-TT-65-1377; AD-633 818.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-633 818

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TT-66-61422 Field 20K

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PLASTIC FLEXURE IN A FREELY-SUPPORTED CIRCULAR PLATE UNDER THE ACTION OF AN AXISYMMETRICAL LOAD. 20 Jan 66, 12p, 3refs. FTD-TT-65-1477; AD-633 820.
Order from CFSTI or ETC: HC$1.00, MF$0.50
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TT-66-61516 Field 20K

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THE REFINEMENT OF THE CLASSICAL FLEXURE THEORY. Jun 66, 21p, 4refs. FSTC-HT-23-94-66; AD-634 416.
Order from CFSTI or ETC: HC$1.00, MF$0.50

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Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk, v17 n5 1965.

TT-66-61593 Field 20K

Rzhanitsyn, A. R.
STABILITY OF SYSTEMS POSSESSING PROPERTIES OF CREEP. 15 Feb 66, 22p. 2refs. FTD-MT-65-171; AD-634 833.
Order from CFSTI or ETC: HC $1.50 MF$0.50 as AD-634 833

Edited machine trans. of mono. Polzuchest i Dlitelnaya Prochnost, Novosibirsk, 1963 p15-28.

TT-66-61663 Field 20K

Vagapov, R. D.
CERTAIN FEATURES IN THE TRANSVERSE DEFORMATION OF CYLINDRICAL SHAFTS WITH AN ANNULAR GROOVE. 1966, 12p, 4refs. CE-Trans-3911.
Order from CFSTI, SLA, or ETC: HC$1.60, MF$0.50 as TT-66-61663

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n2 p17-23 1961.

L. Solid-state physics

TT-66-60385 Field 20L

COMPOUND SEMICONDUCTORS: Analytical Survey. 30 Dec 65, 73p, 139refs. ATD-65-99; AD-627 167.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-627 167

Based on Soviet-bloc open source material for the period 1 Jul-31 Dec 63, and also material for 1 Jan-30 Jun 63 which was not included in rept. 2 of AID Work Assignment no. 41, Task no. 12.

TT-66-61014 Field 20L

Zhuang Wei-hwa; Pan Gui-sheng.
MEASUREMENT OF THE LIFETIME OF MINORITY CURRENT CARRIERS IN Ge AND Si BY OBSERVING THE PHOTOCONDUCTIVE DECAY OF THE SPREADING RESISTANCE UNDER A POINT CONTACT. Feb 66, 25p, 5refs. Emm-65-16; AD-631 102.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-631 102

Trans. of Wu Li Hsueh Pao (Chinese People's Republic) v19 n3 p191-201 1963.
Contract AF 19(628)-5073.

TT-66-61211 Field 20L, 20J

Yang Ch'i.
THE QUANTUM THEORY OF FERROMAGNETIC RESONANCE, THE RESONANCE CONDITIONS OF AN ISOTROPIC FERRITE. Mar 66, 26p, 10refs. Emm-65-15; AD-632 404.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-632 404

Trans. of Wu Li Hsueh Pao (Chinese People's Republic) v19 n3 p139-50 1963.
Contract AF 19(628)-5073.

TT-66-61406 Field 20L, 20B

Talybov, A. G.
ELECTRONOGRAPHIC INVESTIGATION OF THE NATURE OF CRYSTAL ORIENTATION AND FORMATION OF PHASES IN $Sb_2Sb_2Te_4$ AND $PbBi_4Te_7$ COMPOUNDS. 17 Mar 66, 17p, 6refs. FTD-TT-65-1399; AD-633 672.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 672

Unedited rough draft trans. of Azerbaidzhanskii Khimicheskii Zhurnal (USSR) v30 n6 p111-8 1963.

M. Thermodynamics

TT-66-12700 Field 20M, 11B

Pyk, S.; Stalhane, B.
DETERMINATION OF THERMAL DIFFUSIVITY OF A CERAMIC MATERIAL. 7p, 12refs.
Order from SLA: $1.10 as TT-66-12700

Trans. of Teknisk Tidskrift (Sweden) v62 n30 p285-8 1932.

TT-66-60365 Field 20M

Shevelev, A. A.
DETERMINING THE OPTIMUM HEATING RATE FOR CERTAIN BODIES. 11 Jan 66, 14p, 3refs. FTD-TT-65-1810; AD-627 075.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-627 075

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TT-66-61041 Field 20M

Moser, H.
MEASUREMENT OF THE TRUE SPECIFIC HEAT OF SILVER, NICKEL, BETA -BRASS, QUARTZ AND QUARTZ GLASS BETWEEN 50 AND 700C BY AN IMPROVED METHOD (Messung der Wahren Spezifischen Warme von Silber, Nickel, Beta -Messing, Quarzkristall und Quarzglas Zwischen +50 und 700C nach einer Verfeinerten Methode). Tr. by R. H. Austin. Feb 66, 50p, 23refs. G-T-G-65-9; AD-631 200.
Order from CFSTI or ETC: HC$2.00, MF$0.50 as AD-631 200

Trans. of Physikalische Zeitschrift (Germany) v37 p737-53 1936.
Contract AF 19(628)-5034.

TT-66-61398 Field 20M

Elperin, I. T.; Rabinovich, G. D.
SECOND ALL UNION CONFERENCE ON THERMO-AND MASS EXCHANGE. 21 Jan 66, 24p. FTD-TT-65-1475; AD-633 659.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-633 659

Unedited rough draft trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n10 p130-5 1964.

TT-66-61414 Field 20M, 1A

Murzinov, I. N.
TEMPERATURE PROFILES IN BODIES TRAVELING AT HIGH ALTITUDES AT HYPERSONIC SPEED. 20 Jan 66, 9p, 2refs. FTD-TT-65-1478; AD-633 713.

Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-633 713

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TT-66-61580 Field 20M, 20D

JOURNAL OF ENGINEERING PHYSICS; VOL. 7 NO. 4 (SELECTED ARTICLES). 18 Jan 66, 40p, 4refs.
FTD-MT-65-182; AD-634 806.
Order from CFSTI or ETC: HC$2.00, MF$0.50
as AD-634 806

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v7 n4 p44-50, 74-70, 114-20 1964.

N. Wave propagation

TT-66-32907 Field 20N

Kolosov, M. A.; Yakovlev, O. I.; Efimov, A. I.
PROPAGATION OF RADIO WAVES IN INTERPLANETARY AND NEAR SOLAR SPACE. 13 Jul 66, 11p, 30refs.
JPRS-36475.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as TT-66-32907

Trans. of mono. Issledovaniya Kosmicheskogo Prostranstva, Moscow, 1965 p227-33.

TT-66-61012 Field 20N, 9E

Jen, L.; Loo, M. Y.
SUPPRESSION OF SIDE-LOBES OF LINEAR ARRAYS.
Nov 65, 16p, 3refs. Emm-65-8; AD-631 063.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-631 063

Trans. of Wu Li Hsueh Pao (Chinese People's Republic) v17 n12 p592-9 1961.
Contract AF 19(628)-5073.

TT-66-61805 Field 20N, 20K

Goncharenko, A. M.; Sotskii, B. A.
THE PHENOMENON OF GENERATION BY A CIRCULAR CYLINDER AND A SPHERE. Tr. by L. J. Holtschlag.
20 Jun 66, 12p, 6refs. TG-230-T477; AD-635 878.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 878

Trans. of Akademiya Navuk BSSR, Minsk. Doklady, v8 n12 p784-7 1964.
Contract NOw-62-0604-c.

21 PROPULSION AND FUELS

B. Combustion and ignition

TT-66-60335 Field 21B

Bakhman, N. N.
ON THE CALCULATION OF A PRESSURE RISE ON A COMBUSTION FRONT. 3 Jan 66, 13p, 5refs.
FTD-TT-65-1771; AD-626 965.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-626 965

Unedited rough draft trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n1 p106-8 1965.

TT-66-61407 Field 21B, 7D, 19D

REPORTS OF THE ACADEMY OF SCIENCES OF THE USSR, VOL. 161 NO. 5: SELECTED ARTICLES.
17 Feb 66, 21p, 8refs. FTD-TT-65-1002; AD-633 681.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-633 681

Unedited rough draft trans. of Akademiya Nauk SSSR. Doklady, v161 n5 p1118-20, 1152-5 1965.

D. Fuels

TT-66-60333 Field 21D

Piskunov, V. A.; Zrelov, V. N.
ABRASIVE PROPERTIES OF MICROCONTAMINATION AND OXIDATION PRODUCTS OF JET FUELS. 13 Jan 66, 11p, 8refs. FTD-TT-65-1448; AD-626 963.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-626 963

Unedited rough draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) v10 n5 p49-52 1965.
For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61804 Field 21D

Zrelov, V. N.
POWER CHARACTERISTICS OF FUELS FOR AVIATION GAS-TURBINE ENGINES. 26 May 66, 13p, 17refs.
FTD-TT-65-1905; AD-635 877.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 877

Unedited rough draft trans. of Neftepererabotka i Neftekhimiya (USSR) n2 p22-6 1964.

E. Jet and gas turbine engines

TT-66-60372 Field 21E

Seleznev, K. P.
GAS-TURBINE ROTOR TEMPERATURE FIELD WITH COOLING AIR BLOWN THROUGH SLOTS IN ROOT ATTACHMENTS. 21 Dec 65, 19p, 6refs.
FTD-TT-65-1321; AD-627 113.
Order from CFSTI or ETC: HC$1.00, MF$0.50
as AD-627 113

Unedited rough draft trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) n228 p44-54 1963.

TT-66-60911 Field 21E

Schuster, S.; Schwanecke, H.; Dernedde, R.; Schmiechen, M.; Schwechheimer, H. J.
ON CERTAIN PROBLEMS OF WATER JET PROPULSION.
Tr. by E. N. Labouvie. Aug 62, 66p, 39refs.
DTMB-Trans-306; AD-630 685.
Order from CFSTI or ETC: HC$6.60, MF$0.75 as AD-630 685

Trans. of Schiffbautechnische Gesellschaft, Berlin. Jahrbuch (Germany) v54 p195-232 1960.

TT-66-60954 Field 21E, 20M

Plotkin, E. R.; Molchanov, E. I.
HEAT TRANSFER TO THE SURFACE OF GAS TURBINE

BLADES. Feb 66, 15p, 5refs. FSTC-HT-23-33-66; AD-630 849.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-630 849

Trans. of Teploenergetika (USSR) v11 n11 p72-4 1964. For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61100 Field 21E, 13H

Maksimov, V. A.
MECHANIZATION AND AUTOMATION OF GAS TURBINE ENGINE BLADE MANUFACTURE. 23 Mar 66, 17p. FTD-TT-65-1492; AD-631 578.
Order from CFSTI or ETC: HC$1.60, MF$0.50 as AD-631 578

Unedited rough draft trans. of Avtomatizatsiya Protsessov Mashinostroeniya (USSR) v3 p85-90 1963.

TT-66-61528 Field 21E, 21D

Kovalev, E. A.
CONDITIONS FOR USING LIQUID FUEL CONTAINING VANADIUM IN GAS TURBINE ENGINES. 1966, 14p, 13refs. CE-Trans-3880.
Order from CFSTI, SLA, or ETC: HC$1.00, MF$0.50 as TT-66-61528

Trans. of Extract Borba Korroziei Dvigatelei Vnutr. Sgoraniya i Gazaturbinnykh Ustanovok, n.p., 1962 p190-201.

TT-66-61589 Field 21E, 21D

Shuvalov, G. L.; Olkhovskii, G. G.; Lipshtein, R. A.
PATHS OF DEVELOPMENT OF STATIONARY GAS TURBINE ENGINES IN USSR. USE OF PETROLEUM FUEL AND DISSOLVED ADDITIVES FOR LOWERING VANADIUM CORROSION IN GAS TURBINE ENGINES. Jun 66, 22p. FSTC-HT-23-122-66; AD-634 815.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 815

Trans. of Teploenergetika (USSR) n9 p2-6; 19-21 1964. For another listing of this journal see 'Translated or Abstracted Publications,' in TT Vol. 16, No. 4.

TT-66-61590 Field 21E

QUESTION OF THE ELASTIC AND PLASTIC STRESS CONDITION OF BLADES UNDER THERMAL SHOCK. INVESTIGATION OF THERMAL FATIGUE OF BLADES AND DISKS OF CENTRIPETAL GAS TURBINES. NATURAL TESTING OF THE WORKING WHEEL OF A CENTRIPETAL GAS TURBINE UNDER CONDITIONS OF REPEATED STARTS. Jun 66, 22p, 8refs. FSTC-HT-23-121-66; AD-634 816.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-634 816

Trans. of Teplovye Napryazheniya v Elementakh Turbomashin (USSR) v4 p250-5, 287-97, 298-301 1964.

G. Reciprocating engines

TT-66-61792 Field 21G

Buzek, Z.; Masojidek, K.
THE BUMBLE-BEE. 27 May 66, 11p. FTD-HT-66-190; AD-635 833.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-635 833

Unedited rough draft trans. of Letectvi-Kosmonautika (Czechoslovakia) n11 p350-2 1965.

H. Rocket motors and engines

TT-66-60938 Field 21H

Ivanov, Yu. N.
OPTIMAL COMBINATION OF PROPULSION SYSTEMS. Tr. by W. R. Blake. 15 Feb 66, 28p, 6refs. TG-230-T464; AD-630 825.
Order from CFSTI or ETC: HC$2.60, MF$0.50 as AD-630 825

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n2 p9-18 1964.

TT-66-61261 Field 21H

Douessin, P.
LIQUID FUEL ROCKET ENGINES FOR AIRCRAFT (Les Propulseurs Fusees a Liquides pour Avions). 1966, 8p. Trans-970; AD-632 862.
Order from CFSTI or ETC: HC$1.00, MF$0.50 as AD-632 862

Trans. of Forces Aeriennes Francaises, n193 p883-96 1963.

I. Rocket propellants

TT-66-33132 Field 21I, 21D

Bolshakov, G. F.; Gulin, E. I.; Torichnev, N. N.
PHYSICAL AND CHEMICAL FUNDAMENTALS IN THE USE OF MOTOR, JET AND ROCKET FUELS. 27 Jul 66, 327p, refs. JPRS-36701.
Order from CFSTI or ETC: HC$7.00, MF$1.50 as TT-66-33132

Trans. of mono. Fiziko-Khimicheskie Osnovy Primeneniya Motornykh, Reaktivnykh i Raketnykh Topliv, Moscow-Leningrad, 1965 270p.

TT-66-33148 Field 21I

Bernashevskii, G. A.; Bogdanov, E. V.; Kislov, V. Ya.; Chernov, Z. S.
PLASMA AND ELECTRONIC SUPER-HIGH FREQUENCY AMPLIFIERS AND OSCILLATORS. 28 Jul 66, 85p, refs. JPRS-36717.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as TT-66-33148

Trans. of mono. Plazmennye i Elektronnye Usiliteli i Generatory SVCh, Moscow, 1965 96p.

22 SPACE TECHNOLOGY

A. Astronautics

TT-66-61405 Field 22A, 22C, 17H

BULLETIN OF STATIONS OF OPTICAL OBSERVATION OF ARTIFICIAL EARTH SATELLITES. 13 Jan 66, 57p, 14refs. FTD-MT-64-532; AD-633 667.
Order from CFSTI or ETC: HC$3.00, MF$0.75 as AD-633 667

Edited machine trans. of Byulleten Stantsii Opticheskogo Nablyudeniya Iskusstvennykh Sputnikov Zemli (USSR) n35 34p 1963.

B. Spacecraft

TT-66-61106 Field 22B

Lyapunov, B. V.
STATION OUTSIDE THE EARTH. 27 Jan 66, 168p, 32refs. FTD-MT-64-531; AD-631 585.
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